WEEKLY BULLETINS OF
MASS. STATE BOARD OF HEALTH
1902

6[illegible]5
S79b
1908

Digitized by the Internet Archive
in 2012 with funding from
Boston Library Consortium Member Libraries

http://archive.org/details/weeklybulletinofmass12

Weekly Bulletin

OF THE

Mass. STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 4, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 1.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy

SAMUEL W. ABBOTT, M.D., *Secretary.*

STATE LIBRARY OF MASSACHUSETTS

MORTALITY OF MASSACHUSETTS

MAY 18 1923

For the Week ending Jan. 4, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

STATE HOUSE, BOSTON

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	193	53	39	29	17	4	..	2
Worcester,	127,337	18	..	..	4	..	..	..	..
Fall River,	111,872	21	4	9	1	4	..	..	4
Lowell,	99,574	54	21	12	12	3	3	..	1
Cambridge,	96,334	16	4	4	2	3	..	..	..
Lynn,	71,144	17	..	3	..	3	..	..	..
Lawrence,	67,275	26	11	3	6	3	..	..	..
Springfield,	66,854	25	6	10	1	5	1	3	1
Somerville,	65,882	19	3	6	5	3	1	..	1
New Bedford,	65,574	19	4	4	2	4	..	..	..
Holyoke,	48,065	19	5	2	..	2	..	..	..
Brockton,	43,208	10	1	2	..	1	1	..	..
Haverhill,	40,392	11	4	..	..	..	..	..	..
Salem,	36,567	7	4	1	1	..	..	..	1
Newton,	36,336	10	..	1	2	..	1	..	..
Malden,	35,390	7	1	2	1	1	..	1	..
Chelsea,	35,264	11	3	3	..	..	2	1	..
Fitchburg,	33,848	7	1	1	2	..	1	..	..
Taunton,	32,759	6	1	1	..	1	..	..	..
Everett,	27,114	9	2	1	..	1	..	..	..
North Adams,	26,583	6	..	2	1	2	..	..	..
Gloucester,	26,121	6	1	1	..	..	..	..	..
Quincy,	25,307	7	2	2	..	1	1	..	..
Waltham,	24,612	7	1	1	1	1	..	..	..
Pittsfield,	22,311	4	..	..	1	..	..	..	..
Brookline,	21,679	8	1	1	2	1	..	..	..
Chicopee,	20,390	2	..	1	..	1	..	..	..
Medford,	20,014	4	1	1	1	1	..	..	..
Northampton,	19,460	4	1	1	..	..	..	..	..
Beverly,	14,814	2	..	..	..	..	..	..	..
Clinton,	14,645	6	3	2	..	1	..	..	1
Newburyport,	14,478	5	1	..	1	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	2	1	1	..	1	..	..	..
Marlborough,	13,609	5	2	3	..	..	3	..	..
Melrose,	13,384	4	..	..	..	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	2	..	..	..	..	..	..	..
Revere,	11,894	..	..	..	..	..	..	..	..
Weymouth,	11,337	1	1	1	..	..	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœla Diseases.
Total of reporting towns, ..	2,044,230	580	143	121	75	60	18	5	11

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five year period.

614.M3
S79L
1902

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and twenty-one deaths were reported from the principal infectious diseases : measles, 7 ; scarlet fever, 7 ; cerebro-spinal meningitis, 3 ; diphtheria and croup, 18 ; whooping-cough, 2 ; erysipelas, 1 ; typhoid fever, 5 ; puerperal fever, 1 ; diarrhœal diseases, 11 ; small-pox, 6.

No deaths were reported from malarial fever or influenza.

There were 60 deaths from consumption, acute lung diseases, 75, still-births, 49.

From measles : Boston, 3 ; Lowell, 3 ; Weymouth, 1. From scarlet fever : Boston, 5; Fall River and Cambridge, 1 each. From cerebro-spinal meningitis : Lowell, Somerville and Gloucester, 1 each. From diphtheria and croup ; Boston, 4 ; Lowell, 3 ; Marlborough, 3 ; Chelsea, 2 ; Springfield, Somerville, Brockton, Newton, Fitchburg and Quincy, 1 each. From whooping-cough : Lowell and Northampton, 1 each. From erysipelas : Boston, 1. From typhoid fever : Springfield, 3 ; Chelsea and Malden, 1 each. From small-pox : Boston, 6.

Deaths under five years of age numbered 143, as compared with 170 for the preceding week.

Deaths from the principal infectious diseases numbered 121, as compared with 114 for the preceding week.

The death rates for the week were, Boston, 16.04 ; Worcester, 7.35 ; Fall River, 9.76 ; Lowell, 28.18 ; Cambridge, 8.64 ; Lynn, 12.38 ; Lawrence, 20.09 ; New Bedford, 15.06 ; Springfield, 19.45 ; Somerville, 15.00 ; Holyoke, 20.54 ; Brockton, 12.00 ; Haverhill, 14.13 ; Salem, 9.93 ; Newton, 14.30 ; Malden, 10.26 ; Chelsea, 15.65 ; Fitchburg, 10.77 ; Taunton, 9.52 ; Everett, 17.27 ; North Adams, 11.73 ; Gloucester, 11.95 ; Quincy, 14.38 ; Waltham, 14.78 ; Pittsfield, 9.32 ; Brookline, 19.14 ; Chicopee, 5.10 ; Medford, 10.40 ; Northampton, 10.69 ; Beverly, 7.02 ; Clinton, 21.30 ; Newburyport, 17.94 ; Woburn, —— ; Leominster, —— ; Hyde Park, 7.50 ; Marlborough, 19.10 ; Melrose, 15.54 ; Framingham, 8.58 ; Weymouth, 4.52.

The total death rate for the week was 14.76, as compared with 15.64 and 18.37 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 4, 1902.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever, ...	79	Measles, ...	398
Diphtheria and croup, ...	210	Typhoid fever, ...	33
Small-pox, ...	48		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 4, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, Dec. 29, 1901,	29.64	49	60	38	98	94	96	S. E.	S. W.	21	12		R.	R.			0.91
Monday, 30,	29.59	42	50	34	98	92	95	N.	W.	8	9		R.	O.			2.08
Tuesday, 31,	29.69	30	41	20	74	53	64	S. W.	W.	14	32		C.	C.			0.00
Wed'd'y, Jan. 1, 1902,	30.38	11	16	6	51	48	50	N. W.	N. W.	22	18		C.	C.			0.00
Thursday, 2,	30.25	28	41	16	63	74	68	W.	S. W.	8	18		C.	C.			0.00
Friday, 3,	29.90	26	41	11	84	70	77	W.	W.	18	15		O.	C.			0.03
Saturday, 4,	30.32	10	16	4	86	58	72	N. W.	N. W.	20	16		C.	C.			0.00
Week, . . .	29.97		38	18			75										3.02

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 11, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 2.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 11, 1902.

Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Prineipal Infectious Diseases.	Aeute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston, ...	588,730	203	55	54	34	29	7	2	3
Worcester, ...	127,337	27	8	..	6	..	..	..	..
Fall River, ...	111,872	16	4	5	..	2	2	..	1
Lowell, ...	99,574	40	20	5	9	2	1	..	..
Cambridge, ...	96,334	19	7	5	1	3	1	..	..
Lynn, ...	71,144	..	..	..	..	..	..	..	..
Lawrence, ...	67,275	16	8	4	3	2	..	..	1
Springfield, ...	66,854	18	5	5	2	3	1	..	..
Somerville, ...	65,882	17	8	6	3	4	..	..	..
New Bedford, ...	65,574	17	6	2	5	1	..	1	..
Holyoke, ...	48,065	15	5	5	2	2	3	..	..
Brockton, ...	43,208	4	..	1	..	..	1	..	..
Haverhill, ...	40,392	8	2	..	1	..	..	..	..
Salem, ...	36,567	6	..	..	..	..	..	..	..
Newton, ...	36,336	8	1	2	..	1	1	..	..
Malden, ...	35,390	13	3	4	1	2	..	1	..
Chelsea, ...	35,264	13	3	4	..	2	1	1	..
Fitchburg, ...	33,848	5	2	2	1	1	1	..	..
Taunton, ...	32,759	9	1	4	2	2	1	..	..
Everett, ...	27,114	10	5	..	3	..	..	..	..
North Adams, ...	26,583	6	..	1	2	1	..	..	..
Gloucester, ...	26,121	4	1	..	..	..	..	..	..
Quincy, ...	25,307	9	2	2	3	..	..	1	1
Waltham, ...	24,612	6	..	1	1	1	..	..	..
Pittsfield, ...	22,311	7	..	..	..	..	..	..	..
Brookline, ...	21,679	4	1	..	1	..	..	..	..
Chicopee, ...	20,390	4	..	1	..	1	..	..	..
Medford, ...	20,014	5	1	..	2	..	..	..	..
Northampton, ...	19,460	2	..	..	..	..	..	..	..
Beverly, ...	14,814	6	1	2	..	2	..	..	..
Clinton, ...	14,645	7	2	2	..	2	..	..	..
Newburyport, ...	14,478	..	..	..	..	..	..	..	..
Woburn, ...	14,285	7	2	..	2	..	..	..	..
Leominster, ...	13,953	..	..	..	..	..	..	..	..
Hyde Park, ...	13,858	..	..	..	..	..	..	..	..
Marlborough, ...	13,609	3	..	..	..	..	..	..	..
Melrose, ...	13,384	3	..	1	..	1	..	..	..
Attleborough, ...	12,846	..	..	..	..	..	..	..	..
Framingham, ...	12,109	4	..	..	..	..	..	..	..
Revere, ...	11,894	..	..	..	..	..	..	..	..
Weymouth, ...	11,337	3	..	2	..	1	..	1	..
Southbridge, ...	10,838	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Aeute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,959,035	534	153	120	84	65	20	7	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five year period.

Deaths from Prevalent Diseases in 35 Cities and Larger Towns of Massachusetts.

One hundred and twenty deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 2; cerebro-spinal meningitis, 3; diphtheria and croup, 20; whooping-cough, 2; erysipelas, 4; typhoid fever, 7; diarrhœal diseases, 6; small-pox, 8.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 65 deaths from consumption, acute lung diseases, 84, still-births, 40.

From measles: Boston, 2; Malden, 1. From scarlet fever: Boston and Lawrence, 1 each. From cerebro-spinal meningitis: Boston, Somerville and Taunton, 1 each. From whooping-cough: Boston and Lowell, 1 each. From erysipelas: Boston, 2; Lowell and Springfield, 1 each. From typhoid fever: Boston, 2; New Bedford, Chelsea, Malden, Quincy and Weymouth, 1 each. From diarrhœal diseases: Boston, 3; Fall River, Lawrence and Quincy, 1 each. From small-pox: Boston, 6; Cambridge and Somerville, 1 each.

Deaths under five years of age numbered 153, as compared with 143 for the preceding week.

Deaths from the principal infectious diseases numbered 120, as compared with 121 for the preceding week.

The death rates for the week were, Boston, 17.92; Worcester, 11.02; Fall River, 7.43; Lowell, 20.88; Cambridge, 10.25; Lawrence, 12.36; Springfield, 14.00; Somerville, 13.41; New Bedford, 13.44; Holyoke, 16.21; Brockton, 4.80; Haverhill, 10.27; Salem, 8.51; Newton, 11.44; Malden, 19.05; Chelsea, 19.13; Fitchburg, 7.70; Taunton, 14.27; Everett, 19.19; North Adams, 11.73; Gloucester, 7.96; Quincy, 18.48; Waltham, 12.67; Pittsfield, 16.30; Brookline, 9.57; Chicopee, 10.19; Medford, 13.00; Northampton, 5.37; Beverly, 21.06; Clinton, 24.85; Newburyport, ——; Woburn, 25.45; Marlborough, 11.46; Melrose, 11.64; Framingham, 17.16; Weymouth, 13.56.

The total death rate for the week was 14.17, as compared with 14.76 and 15.64 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 11, 1902.

(Under the Provisions of Chapter 802 of the Acts of 1898.)

Scarlet fever,	77	Measles,	417
Diphtheria and croup,	188	Typhoid fever,	35
	Small-pox,	86	

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 11, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 5,	30.34	20	28	11	42	76	59	W.	W.	14	10	C.	C.		0.00
Monday, . . 6,	30.28	28	32	24	75	84	80	W.	S. E.	6	5	F.	C.		0.00
Tuesday, . . 7,	30.15	26	29	22	88	94	91	N.	N.	9	15	O.	N.		0.33
Wednesday, . 8,	30.10	24	29	19	92	88	90	N.	N.	10	16	O.	O.		0.05
Thursday, . . 9,	30.06	29	35	23	87	78	82	N. W.	N. W.	8	4	C.	C.		0.00
Friday, . . 10,	29.81	29	32	26	88	84	86	S.	W.	2	10	O.	C.		0.02
Saturday, . . 11,	29.52	35	39	31	86	95	90	S. W.	S. E.	4	6	O.	N.		T
Week, . . .	30.04		32	22			83								0.40

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of December, 1901 : —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	260	175	435	Canned Goods, .	..	..	..
Butter, . . .	20	6	26	Honey, . . .	3	4	7
Cheese, . . .	3	..	3	Tea, . . .	4	..	4
Lard, . . .	6	..	6	Coffee, . . .	13	1	14
Olive Oil, . . .	..	..	..	Cocoa and Chocolate,	3	4	7
Vinegar, . . .	8	13	21	Confectionery, .	2	..	2
Spices, . . .	161	31	192	Condensed Milk, .	7	1	8
Cream of Tartar, .	35	1	36	Miscellaneous, .	5	14	19
Molasses, . . .	1	..	1	Drugs, . . .	35	35	70
Syrups, . . .	..	..	..				
Maple Sugar, . .	1	..	1				
Maple Syrup, . .	1	..	1				
				Totals, . .	568	285	853

Percentage of adulteration, 33.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 40.2 per cent., while the percentage of articles of food was 21.6 per cent.

One complaint was entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. The party was convicted and fined $16.00 for disposing of milk which was below the standard. Four samples of butter were "process" or "renovated" butter. Three samples of vinegar were wholly artificial.

The samples of drugs found to be adulterated were Acidum Tannicum, Cera Flava, Glycerinum, Oleum Limonis, Oleum Olivæ, Sodii Boras, Sodii Phosphas, Spiritus Ætheris Nitrosi, Tinctura Iodi, Tinctura Opii, Sulphur Lotum, Vinum Rubrum.

Cities and towns from which samples of food were collected were Boston, Revere, Leominster, Taunton, Winthrop, Dedham, Chelsea, Brookline, Hyde Park, Springfield, Holyoke, Cambridge, Somerville, Melrose, Woburn, Haverhill, Lawrence, Salem, Fitchburg, Newburyport, Lowell, New Bedford, Brockton, Worcester, Gloucester, Newton, Brookline and Watertown.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 18, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 3.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 18, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	225	60	42	39	25	5	2	1
Worcester,	127,337	32	9	5	7	5	..	..	..
Fall River,	111,872	22	7	5	2	4	..	..	1
Lowell,	99,574	36	14	11	7	3	5	1	..
Cambridge,	96,334	24	6	5	2	4	1	..	..
Lynn,	71,144	20	1	2	2	1	..	..	1
Lawrence,	67,275	17	9	1	5	1	..	..	..
Springfield,	66,854	19	3	2	3	1	..	1	..
Somerville,	65,882	17	7	4	6	2	1	..	..
New Bedford,	65,574	21	4	4	2	3	..	..	..
Holyoke,	48,065	14	4	5	1	4	1	..	..
Brockton,	43,208	9	2	..	2	..	..	..	..
Haverhill,	40,392	13	3	3	1	2	1	..	..
Salem,	36,567	15	5	3	2	1	2	..	..
Newton,	36,336	6	1	1	..	1	..	..	..
Malden,	35,390	10	3	2	2	2	..	..	..
Chelsea,	35,264	8	..	1	..	1	..	..	..
Fitchburg,	33,848	10	5	1	..	..	1	..	..
Taunton,	32,759	12	2	2	..	2	..	..	..
Everett,	27,114	6	1	..	..	..	..	..	..
North Adams,	26,583	7	..	1	1	..	..	1	..
Gloucester,	26,121	9	3	2	..	1	1	..	..
Quincy,	25,307	7	5	1	1	1	..	..	..
Waltham,	24,612	4	1	2	..	..	..	1	..
Pittsfield,	22,311	4	1	1	..	1	..	..	..
Brookline,	21,679	5	1	2	..	2	..	..	..
Chicopee,	20,390	4	3	1	1	..	1	..	..
Medford,	20,014	8	4	2	3	..	1	1	..
Northampton,	19,460	2	1	..	..	..	..	..	..
Beverly,	14,814	3	1	1	..	1	..	..	..
Clinton,	14,645	7	2	2	..	2	..	..	..
Newburyport,	14,478	3	1	2	..	2	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	1	1	2	..	1	..	..
Melrose,	13,384	1	1	..	..	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	1	..	..	..	..	..	..	..
Revere,	11,894	2	..	..	..	..	..	..	..
Weymouth,	11,337	5	1	3	..	2	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,042,226	613	172	120	91	74	21	7	3

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and twenty deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 2; cerebro-spinal meningitis, 3; diphtheria and croup, 21; whooping-cough, 2; typhoid fever, 7; puerperal fever, 1; diarrhœal diseases, 3; small-pox, 4.

No deaths were reported from erysipelas, malarial fever or influenza.

There were 74 deaths reported from consumption, acute lung diseases, 91, still-births, 35.

From measles: Boston, 2; Lowell, 1. From scarlet fever: Boston and Waltham, 1 each. From cerebro-spinal meningitis: Boston, New Bedford and Somerville, 1 each. From diphtheria and croup; Boston and Lowell, 5 each; Salem, 2; Cambridge, Somerville, Holyoke, Haverhill, Fitchburg, Gloucester, Chicopee, Medford and Marlborough, 1 each. From whooping-cough: Boston, 2. From typhoid fever: Boston, 2; Lowell, Springfield, North Adams, Waltham and Medford, 1 each. From diarrhœal diseases: Boston, Fall River and Lynn, 1 each. From small-pox: Boston, 3; Weymouth, 1.

Deaths under five years of age numbered 172, as compared with 153 for the preceding week.

Deaths from the principal infectious diseases numbered 120, as compared with 120 for the preceding week.

The death rates for the week were, Boston, 19.86; Worcester, 13.07; Fall River, 10.22; Lowell, 19.29; Cambridge, 12.95; Lynn, 14.57; Lawrence, 13.13; Springfield, 14.78; Somerville, 13.41; New Bedford, 16.65; Holyoke, 15.13; Brockton, 10.80; Haverhill, 16.69; Salem, 21.28; Newton, 8.58; Malden, 14.66; Chelsea, 11.77; Fitchburg, 15.39; Taunton, 19.03; Everett, 11.54; North Adams, 13.68; Gloucester, 17.92; Quincy, 14.38; Waltham, 8.44; Pittsfield, 9.32; Brookline, 11.96; Chicopee, 10.19; Medford, 20.80; Northampton, 5.34; Beverly, 10.53; Clinton, 24.85; Newburyport, 10.77; Woburn, ——; Leominster, ——; Hyde Park, ——; Marlborough, 19.10; Melrose, 3.88; Framingham, 4.29; Revere, 8.74; Weymouth, 22.62.

The total death rate for the week was 15.60, as compared with 14.17 and 14.76 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 18, 1902.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	116	Measles,	360
Diphtheria and croup,	178	Typhoid fever,	38
Small-pox,	51		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 18, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 12,	29.24	26	34	17	97	79	88	S. W.	S. W.	11	12	N.	C.			0.53
Monday, 13,	29.60	20	26	15	78	77	78	W.	W.	15	12	F.	C.			0.00
Tuesday, 14,	30.06	20	27	14	81	72	76	W.	W.	9	8	C.	C.			0.00
Wednesday, 15,	29.98	33	41	25	81	72	76	S.	S. W.	5	12	C.	C.			0.00
Thursday, 16,	29.83	35	44	26	82	69	76	W.	W.	7	6	C.	O.			0.00
Friday, 17,	29.93	26	34	17	66	71	68	N. W.	N. W.	12	12	F.	C.			0.00
Saturday, 18,	30.00	30	42	17	64	67	66	S. W.	S. W.	8	15	C.	O.			0.00
Week,	29.81		35	19			75									0.53

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 25, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 4.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 25, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	209	45	46	34	25	9	..	..
Worcester,	127,337	30	14	1	8	..	1	..	..
Fall River,	111,872	35	13	4	7	3	1	..	..
Lowell,	99,574	28	16	6	6	1	4	..	..
Cambridge,	96,334	24	5	5	4	4	..	..	..
Lynn,	71,144	15	2	1	..	..	1	..	..
Lawrence,	67,275	21	9	6	3	3	..	..	2
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	22	..	7	2	5	1	..	..
New Bedford,	65,574	21	9	4	6	3	1	..	..
Holyoke,	48,065	11	4	1	3	..	..	..	..
Brockton,	43,208	8	4	2	..	..	..	..	..
Haverhill,	40,392	7	3	4	..	3	1	..	..
Salem,	36,567	9	2	2	2	..	2	..	..
Newton,	36,336	8	2	..	1	..	..	..	..
Malden,	35,390	9	4	3	..	2	1	..	..
Chelsea,	35,264	17	6	1	..	..	1	..	..
Fitchburg,	33,848	5	3	..	1	..	..	..	..
Taunton,	32,759	5	..	3	..	2	1	..	..
Everett,	27,114	7	1	1	1	1	..	..	..
North Adams,	26,583	8	5	2	3	2	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	9	3	2	2	1	1	..	..
Waltham,	24,612	5	2	..	..	..	..	..	..
Pittsfield,	22,311	2	1	..	2	..	..	..	..
Brookline,	21,679	2	1	1	..	1	..	..	..
Chicopee,	20,390	8	3	2	..	1	..	..	..
Medford,	20,014	4	..	..	1	..	..	..	..
Northampton,	19,460	6	1	2	..	1	1	..	..
Beverly,	14,814	6	1	2	..	2	..	..	..
Clinton,	14,645	1	..	..	..	..	..	..	..
Newburyport,	14,478	7	1	1	1	1	..	..	..
Woburn,	14,285	3	2	1	..	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,699	2	..	..	..	..	..	..	..
Melrose,	13,384	4	1	..	..	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	0	0	..	..	..	..	..	..
Revere,	11,894	5	4	..	1	..	..	..	..
Weymouth,	11,337	5	1	1	..	1	..	..	..
Southbridge,	10,838	6	..	2	1	1	1	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,974,414	574	168	113	89	64	27	0	2

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and thirteen deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 2 ; cerebro-spinal meningitis, 4 ; diphtheria and croup, 27 ; whooping-cough, 2 ; erysipelas, 2 ; puerperal fever, 2 ; diarrhœal diseases, 2 ; small-pox, 7.

No deaths were reported from typhoid fever, malarial fever or influenza.

There were 64 deaths reported from consumption, acute lung diseases, 89, still-births, 38.

From measles : Boston, 1. From scarlet fever : Boston, 2. From cerebro-spinal meningitis : Boston, 1 ; Somerville, 1 ; Brockton, 2. From diphtheria and croup ; Boston, 9 ; Lowell, 4 ; Salem, 2 ; Worcester, Fall River, Lynn, New Bedford, Somerville, Haverhill, Chelsea, Malden, Taunton, Quincy, Northampton and Southbridge, 1 each. From whooping-cough : Lawrence and Chicopee, 1 each. From erysipelas : Boston and Lowell, 1 each. From diarrhœal diseases : Lawrence, 2. From small-pox : Boston, 6 ; Cambridge, 1.

Deaths under five years of age numbered 168, as compared with 172 for the preceding week.

Deaths from the principal infectious diseases numbered 113, as compared with 120 for the preceding week.

The death rates for the week were, Boston, 18.45 ; Worcester, 12.25 ; Fall River, 16.27 ; Lowell, 14.62 ; Cambridge, 12.95 ; Lynn, 10.93 ; Lawrence, 16.22 ; Springfield, —— ; Somerville, 17.36 ; New Bedford, 16.65 ; Holyoke, 11.89 ; Brockton, 9.61 ; Haverhill, 8.99 ; Salem, 12.78 ; Newton, 11.44 ; Malden, 13.00 ; Chelsea, 25.00 ; Fitchburg, 7.69 ; Taunton, 7.93 ; Everett, 13.43 ; North Adams, 16.64 ; Gloucester, —— ; Quincy, 18.45 ; Waltham, 10.55 ; Pittsfield, 4.66 ; Brookline, 4.78 ; Chicopee, 20.38 ; Medford, 10.40 ; Northampton, 16.03 ; Beverly, 21.06 ; Clinton, 3.55 ; Newburyport, 25.10 ; Woburn, 10.92 ; Leominster, —— ; Hyde Park, —— ; Marlborough, 7.64 ; Melrose, 15.52 ; Framingham, —— ; Revere, 21.85 ; Weymouth, 22.60 ; Southbridge, 28.74.

The total death rate for the week was 15.10, as compared with 15.60 and 14.17 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 25, 1902.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever, ...	85	Measles, ...	447
Diphtheria and croup, ...	179	Typhoid fever, ...	31
Small-pox, ...	84		

(SIGNED) **S. W. ABBOTT, M.D.,**

Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 25, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 19,	30.09	30	40	19	53	62	58	W.	N. W.	12	10	O.	C.		0.00
Monday, . . 20,	30.44	24	31	16	51	82	66	N. W.	E.	8	3	C.	C.		0.00
Tuesday, . . 21,	30.18	33	39	27	75	100	88	E.	E.	8	18	O.	R.		Tr
Wednesday, . 22,	29.45	43	48	38	100	92	96	S. E.	S. W.	25	5	R.	O.		0.59
Thursday, . . 23,	29.54	36	41	30	79	85	82	W.	W.	14	10	O.	C.		0.00
Friday, . . 24,	29.96	34	40	28	68	45	56	S. W.	N. W.	9	7	O.	C.		0.00
Saturday, . . 25,	30.40	28	33	24	62	74	68	N. W.	E.	8	6	C.	C.		0.00
Week, . . .	30.01		39	26			73								0.59

* O. = Cloudy ; C. = Clear ; F. = Fair ; G. = Fog ; H. = Hazy ; S. = Smoky ; R. = Rain ; T. = Threatening ; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 1, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 5.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 1, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	228	54	66	34	32	8	2	2
Worcester,	127,337	33	9	3	8	2	..	..	..
Fall River,	111,872	24	12	9	3	5	3	..	1
Lowell,	99,574	30	6	8	6	4	4	..	..
Cambridge,	96,334	21	9	3	7	2	1	..	..
Lynn,	71,144	24	5	6	2	2	..	..	..
Lawrence,	67,275	22	11	5	1	3	..	..	..
Springfield,	66,854	16	4	3	3	..	..	3	..
Somerville,	65,882	16	5	4	2	2	1	..	..
New Bedford,	65,574	23	9	4	4	4	..	..	..
Holyoke,	48,065	16	8	3	6	1	1	..	..
Brockton,	43,208	7	2	1	..	..	..	..	..
Haverhill,	40,392	12	2	3	2	3	..	..	..
Salem,	36,567	8	2	2	1	..	2	..	..
Newton,	36,336	8	..	..	2	..	..	..	..
Malden,	35,390	8	1	1	..	..	1	..	..
Chelsea,	35,264	7	2	..	..	..	..	..	..
Fitchburg,	33,848	8	2	1	4	1	..	..	..
Taunton,	32,759	4	0	1	..	1	..	..	..
Everett,	27,114	5	2	..	..	..	..	..	..
North Adams,	26,583	8	3	1	2	1	..	..	..
Gloucester,	26,121	6	2	..	..	..	..	..	..
Quincy,	25,307	6	3	..	1	..	..	..	..
Waltham,	24,612	7	1	2	3	2	..	..	..
Pittsfield,	22,311	2	1	..	2	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	7	3	..	..	..	..	..	..
Medford,	20,014	5	1	..	3	..	..	..	..
Northampton,	19,460	5	1	..	..	..	..	..	..
Beverly,	14,814	3	..	..	..	..	..	..	..
Clinton,	14,645	2	1	..	1	..	..	..	..
Newburyport,	14,478	7	0	..	1	..	..	..	..
Woburn,	14,285	3	..	1	1	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	3	2	1	1	..	..	..	1
Marlborough,	13,609	..	..	..	..	..	..	..	..
Melrose,	13,384	3	..	..	2	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	3	1	1	..	1	..	..	..
Revere,	11,894	4	3	2	..	1	..	..	..
Weymouth,	11,337	2	0	..	..	..	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,034,771	596	167	131	102	68	21	5	4

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and thirty-one deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 5 ; cerebro-spinal meningitis, 7 ; diphtheria and croup, 21 ; whooping-cough, 7 ; erysipelas, 1 ; typhoid fever, 5 ; diarrhœal diseases, 4 ; small-pox, 12.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 68 deaths from consumption, acute lung diseases, 102, still-births, 50.

From measles : Boston, 1. From scarlet fever : Boston, 4 ; Holyoke, 1 ; From cerebro-spinal meningitis : Lynn, 4 ; Worcester, Somerville and Brockton, 1 each. From diphtheria and croup : Boston, 8 ; Fall River, 3 ; Lowell, 4 ; Salem, 2 ; Cambridge, Somerville, Holyoke and Malden, 1 each. From whooping-cough : Boston, 4 ; Lawrence, 2 ; Revere, 1. From erysipelas : Boston, 1. From diarrhœal diseases : Boston, 2 ; Fall River, 1 ; Hyde Park, 1. From small-pox : Boston, 12.

Deaths under five years of age numbered 167, as compared with 168 for the preceding week.

Deaths from the principal infectious diseases numbered 131, as compared with 113 for the preceding week.

The death rates for the week were, Boston, 20.13 ; Worcester, 13.47 ; Fall River, 11.15 ; Lowell, 15.66 ; Cambridge, 11.33 ; Lynn, 17.48 ; Lawrence, 17.00 ; Springfield, 12.45 ; Somerville, 12.63 ; New Bedford, 18.24 ; Holyoke, 17.29 ; Brockton, 8.41 ; Haverhill, 15.40 ; Salem, 11.35 ; Newton, 11.44 ; Malden, 11.57 ; Chelsea, 10.30 ; Fitchburg, 12.31 ; Taunton, 6.34 ; Everett, 9.59 ; North Adams, 15.64 ; Gloucester, 11.94 ; Quincy, 12.32 ; Waltham, 14.78 ; Pittsfield, 4.66 ; Brookline, —— ; Chicopee, 17.83 ; Medford, 13.00 ; Northampton, 13.36 ; Beverly, 10.53 ; Clinton, 7.10 ; Newburyport, 25.11 ; Woburn, 10.92 ; Leominster, —— ; Hyde Park, 11.25 ; Marlborough, —— ; Melrose, 11.65 ; Framingham, 12.87 ; Revere, 17.48 ; Weymouth, 9.04.

The total death rate for the week was 15.23, as compared with 15.10 and 15.60 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 1, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	78	Measles,	450
Diphtheria and croup,	179	Typhoid fever,	52
Small-pox,	79		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 1, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Jan. 26,	30.50	32	39	24	87	82	84	W.	S.	4	14	O.	O.		T
Monday, . . 27,	30.00	39	54	24	100	37	64	S. W.	W.	22	24	O.	C.		0.10
Tuesday, . . 28,	30.54	18	24	13	34	37	36	N. W.	W.	19	16	C.	C.		0.00
Wednesday, . 29,	30.55	16	19	12	59	52	56	N. W.	N. W.	12	8	F.	O.		0.00
Thursday, . . 30,	30.30	19	25	13	93	51	72	N. W.	N. W.	11	12	N.	C.		T
Friday, . . 31,	30.40	20	28	13	59	76	68	N. W.	E.	7	12	O.	O.		0.00
Saturday, Feb. 1,	30.22	32	36	28	85	100	92	E.	N.E.	13	10	N.	R.		0.16
Week, . . .	30.36		32	18			67								0.26

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 8, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 6.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

Henry P. Walcott, M.D., Cambridge, *Chairman.*
Julian A. Mead, M.D., Watertown.
Hiram F. Mills, C.E., Lawrence.
Frank W. Draper, M.D., Boston.
Gerard C. Tobey, Esq., Wareham.
James W. Hull, Pittsfield.
Charles H. Porter, Quincy.

Samuel W. Abbott, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 8, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	199	58	55	30	30	6	3	3
Worcester,	127,337	38	19	4	6	..	1	..	..
Fall River,	111,872	32	23	6	10	1	3	..	1
Lowell,	99,574	35	15	8	3	1	6	..	..
Cambridge,	96,334	29	11	6	4	4	1	..	..
Lynn,	71,144	20	2	1	3	..	..	..	..
Lawrence,	67,275	19	5	3	3	2	..	..	..
Springfield,	66,854	24	7	7	1	6	1	..	..
Somerville,	65,882	24	5	5	5	1	..	..	2
New Bedford,	65,574	24	5	3	3	3	..	..	..
Holyoke,	48,065	17	7	4	3	2	1	..	..
Brockton,	43,208	11	1	..	..	..	..	..	..
Haverhill,	40,392	3	..	1	..	1	..	..	..
Salem,	36,567	10	3	2	..	2	..	..	..
Newton,	36,336	6	1	..	..	..	..	..	..
Malden,	35,390	9	1	..	2	..	..	..	..
Chelsea,	35,264	..	..	..	..	..	..	..	..
Fitchburg,	33,848	11	2	1	3	1	..	..	..
Taunton,	32,759	11	1	4	..	..	1	1	..
Everett,	27,114	5	..	2	..	1	..	1	..
North Adams,	26,583	3	1	..	2	..	..	..	..
Gloucester,	26,121	8	3	1	1	1	..	..	..
Quincy,	25,307	6	1	..	3	..	..	..	..
Waltham,	24,612	7	..	1	2	1	..	..	..
Pittsfield,	22,311	4	1	1	2	1	..	..	..
Brookline,	21,679	4	1	..	..	..	..	..	..
Chicopee,	20,390	10	5	2	3	1	1	..	..
Medford,	20,014	6	1	1	..	1	..	..	..
Northampton,	19,460	3	1	..	..	..	..	..	..
Beverly,	14,814	5	..	..	..	..	..	..	..
Clinton,	14,645	5	1	..	..	..	..	..	..
Newburyport,	14,478	8	3	1	..	..	..	..	..
Woburn,	14,285	6	2	1	1	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	7	1	3	1	3	..	..	..
Melrose,	13,384	2	..	..	..	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	2	..	..	..	..	..	..	..
Revere,	11,894	3	..	2	..	2	..	..	..
Weymouth,	11,337	4	..	..	1	..	..	..	..
Southbridge,	10,838	1	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,032,125	621	188	125	92	66	21	5	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and twenty-five deaths were reported from the principal infectious diseases : measles, 4 ; scarlet fever, 5 ; cerebro-spinal meningitis, 5 ; diphtheria and croup, 21 ; whooping-cough, 3 ; erysipelas, 1 ; typhoid fever, 5 ; puerperal fever, 2 ; diarrhœal diseases, 6 ; small-pox, 7.

No deaths were reported from malarial fever or influenza.

There were 66 deaths from consumption, acute lung diseases, 92, still-births, 44.

From measles : Boston, Lowell, Cambridge and Holyoke, 1 each. From scarlet fever : Boston, 2 ; Worcester, Somerville and Newburyport, 1 each. From cerebro-spinal meningitis : Worcester, 2 ; Lynn, Lawrence and Somerville, 1 each. From diphtheria and croup : Boston, 6 ; Lowell, 6 ; Fall River, 3 ; Worcester, Cambridge, Springfield, Holyoke, Taunton and Chicopee, 1 each. From whooping-cough : Boston, 2 ; Fall River, 1. From erysipelas : Boston, 1. From typhoid fever : Boston, 3 ; Taunton and Everett, 1 each. From diarrhœal diseases : Boston, 3 ; Somerville, 2 ; Fall River, 1. From small-pox : Boston, 7.

Deaths under five years of age numbered 188, as compared with 167 for the preceding week.

Deaths from the principal infectious diseases numbered 125, as compared with 131 for the preceding week.

The death rates for the week were, Boston, 17.57 ; Worcester, 15.52 ; Fall River, 14.87 ; Lowell, 18.27 ; Cambridge, 15.65 ; Lynn, 14.57 ; Lawrence, 14.68 ; Springfield, 18.67 ; Somerville, 18.93 ; New Bedford, 19.03 ; Holyoke, 18.37 ; Brockton, 13.20 ; Haverhill, 3.85 ; Salem, 14.19 ; Newton, 8.58 ; Malden, 13.00 ; Chelsea, —— ; Fitchburg, 16.92 ; Taunton, 17.44 ; Everett, 9.59 ; North Adams, 5.86 ; Gloucester, 15.92 ; Quincy, 12.32 ; Waltham, 14.78 ; Pittsfield, 9.32 ; Brookline, 9.57 ; Chicopee, 25.48 ; Medford, 15.60 ; Northampton, 8.02 ; Beverly, 17.55 ; Clinton, 17.75 ; Newburyport, 28.70 ; Woburn, 21.84 ; Leominster, —— ; Hyde Park, —— ; Marlborough, 26.74 ; Melrose, 7.76 ; Framingham, 8.58 ; Revere, 14.11 ; Weymouth, 18.08 ; Southbridge, 4.79.

The total death rate for the week was 15.90, as compared with 15.23 and 15.10 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 8, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	103	Measles,	548
Diphtheria and croup,	161	Typhoid fever,	39
Small-pox,	138		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 8, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Feb. 2,	29.74	40	48	31	100	83	92	N.E.	S. W.	12	34	R.	O.		0.82
Monday, . . 3,	29.46	26	31	20	55	54	54	W.	W.	40	24	F.	C.		0.04
Tuesday, . . 4,	29.77	22	28	15	65	94	80	S. W.	W.	14	12	C.	N.		T
Wednesday, . 5,	29.98	18	23	12	64	55	60	W.	N. W.	8	14	F.	C.		0.01
Thursday, . . 6,	30.04	20	29	12	62	60	61	W.	N. W.	15	9	C.	C.		0.00
Friday, . . 7,	29.75	26	36	16	57	49	53	W.	W.	15	20	C.	C.		0.00
Saturday . . 8,	29.36	20	24	17	62	78	70	W.	W.	18	21	C.	N.		T
[illegible] . . .	29.73		31	18			67								0.87

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of January, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	280	232	512	Canned Goods, .	..	2	2
Butter, . . .	5	..	5	Honey, . . .	2	2	4
Cheese, . . .	1	..	1	Tea, . . .	5	..	5
Lard, . . .	4	1	5	Coffee, . . .	14	..	14
Olive Oil, . . .	..	..	..	Cocoa and Chocolate,	2	3	5
Vinegar, . . .	11	17	28	Confectionery, .	15	..	15
Spices, . . .	124	21	145	Condensed Milk, .	8	..	8
Cream of Tartar, .	32	..	32	Miscellaneous, .	4	1	5
Molasses, . . .	23	3	26	Drugs, . . .	68	63	131
Syrups, . . .	..	..	..				
Maple Sugar, . .	..	..	..				
Maple Syrup, . .	4	..	4				
				Totals, . .	602	345	947

Percentage of adulteration, 36.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 45.3 per cent., while the percentage of articles of food was 16.6 per cent.

Five complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs; four being for violation of the statutes relative to the sale of milk, one to the sale of butter. Fines were imposed amounting to $223.40. Eight of the samples of vinegar examined were wholly artificial.

The samples of drugs found to be adulterated were Aqua Destillata, Cera Flava, Extractum Glycyrrhizæ, Glycerinum, Liquor Calsis, Oleum Limonis, Oleum Olivæ, Sodii Phosphas, Spiritus Ætheris Nitrosi, Sulphur Lotum, Sulphur Præcipitatum, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Revere, Chelsea, Cambridge, Somerville, Haverhill, Lawrence, Newburyport, Lowell, New Bedford, Brockton, Worcester, Gloucester, Malden, Everett, Medford, Quincy, Fall River, Stoughton, Milford, Weymouth, Waltham, Ware, Ipswich, Amherst, Uxbridge and Blackstone.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 15, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 7.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

SMALL-POX IN MASSACHUSETTS.

The present epidemic of small-pox has attained greater proportions than any outbreak which has occurred since the epidemic of 1872–1873, and is still prevailing with but little abatement, the number of reported cases in each week averaging sixty or more since last November. At no time in the past 30 years has the necessity of carrying out the provisions of the laws relating to vaccination been more urgent than at present. Fully one hundred cities and towns in the State have been invaded by small-pox within the past six months, and reports of cases in new localities are of almost daily occurrence.

The following table presents the number of cases of small-pox reported to the State Board of Health since October 1, 1901: —

	Reported Cases.		Reported Cases.
Week ended Oct. 5, 1901,	8	Week ended Jan. 4, 1902,	48
" " " 12, "	7	" " " 11, "	86
" " " 19, "	18	" " " 18, "	51
" " " 26, "	10	" " " 25, "	84
" " Nov. 2, "	20	" " Feb. 1, "	79
" " " 9, "	22	" " " 8, "	136
" " " 16, "	32	" " " 15, "	50
" " " 23, "	61	" " " 22, "	34
" " " 30, "	110	" " Mar. 1, "	75
" " Dec. 7, "	76		
" " " 14, "	78		
" " " 21, "	63		
" " " 28, "	40		

FOOD AND DRUG INSPECTION.

In addition to the details of the usual routine work under the Food and Drug Acts, special attention is called to certain matters of recent occurrence. Examinations of many samples of phosphate of soda offered for sale at drug stores show a large percentage containing arsenic as an impurity. Since it is possible to manufacture this drug entirely free from this dangerous impurity, it cannot be considered a hardship to require that a drug so freely employed as a medicine for internal use should be free from arsenic.

The amount of arsenic found in samples obtained in open market has varied from a trace to as high as 80 parts per 100,000, or nearly one tenth of one per cent.

Action has already been taken against several parties for the sale of impure phosphate of soda.

During the past season, the unusual scarcity of apples has produced a demand for cider vinegar beyond the supply, and as a consequence considerable quantities of spurious cider vinegar have been sold as cider vinegar, mostly from sources outside of the State. This article in many instances conforms to the statute in certain particulars, but is not a pure cider vinegar, hence persons selling it as cider vinegar are liable to a penalty.

Action has already been taken in several instances under the statutes, and will be followed by others as occasion requires.

The following statute has been enacted: —

AN ACT TO TRANSFER THE POWERS AND DUTIES OF THE INSPECTOR AND ASSAYER OF LIQUORS TO THE STATE BOARD OF HEALTH.

SECTION 1. The office of inspector and assayer of liquors is hereby abolished.

SECTION 2. The powers and duties heretofore conferred and imposed on the inspector and assayer of liquors are hereby conferred and imposed on the state board of health.

SECTION 3. This act shall take effect upon its passage.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 22, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 8.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 22, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	250	67	49	47	31	6	..	1
Worcester,	127,337	44	12	7	12	3	1	..	1
Fall River,	111,872	..	..	..	..	..	..	..	..
Lowell,	99,574	27	11	6	4	2	3	..	..
Cambridge,	96,334	33	11	6	14	6	..	..	..
Lynn,	71,144	24	3	3	4	1	..	..	..
Lawrence,	67,275	27	12	4	4	2	1	..	..
Springfield,	66,854	17	4	3	3	3	..	..	..
Somerville,	65,882	25	6	9	5	7	..	..	..
New Bedford,	65,574	16	8	4	4	3	..	..	..
Holyoke,	48,065	10	5	4	2	4	..	..	..
Brockton,	43,208	7	1	2	..	2	..	..	..
Haverhill,	40,392	10	1	2	3	2	..	..	..
Salem,	36,567	15	2	..	2	..	..	..	..
Newton,	36,336	5	..	..	..	..	..	..	..
Malden,	35,390	9	3	1	1	1	..	..	..
Chelsea,	35,264	13	2	2	4	..	..	..	1
Fitchburg,	33,848	9	4	..	2	..	..	..	..
Taunton,	32,759	14	3	2	..	2	..	..	..
Everett,	27,114	8	3	..	..	..	..	..	..
North Adams,	26,583	4	2	1	..	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	8	3	1	1	..	..	..	1
Waltham,	24,612	3	..	..	1	..	..	..	..
Pittsfield,	22,311	3	..	..	1	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	7	2	1	1	..	..	1	..
Medford,	20,014	3	1	..	..	..	..	..	..
Northampton,	19,460	3	..	..	..	..	..	..	..
Beverly,	14,814	5	..	1	1	1	..	..	..
Clinton,	14,645	10	2	2	3	1	..	1	..
Newburyport,	14,478	12	1	1	3	..	..	..	..
Woburn,	14,285	6	1	..	2	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	4	..	2	..	1	1	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Melrose,	13,384	6	..	..	..	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	1	..	..	..	..	..	..	..
Revere,	11,894	2	..	..	..	..	..	..	..
Weymouth,	11,337	3	..	..	..	..	..	..	..
Southbridge,	10,838	3	2	..	2	..	..	..	..
Watertown,	10,600	1	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,918,566	647	172	113	126	72	12	2	4

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and thirteen deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 5; cerebro-spinal meningitis, 5; diphtheria and croup, 12; whooping-cough, 3; erysipelas, 1; typhoid fever, 2; puerperal fever, 1; diarrhœal diseases, 4; small-pox, 4.

No deaths were reported from malarial fever or influenza.

There were 72 deaths from consumption, acute lung diseases, 126, still-births, 43.

From measles: Boston, Lowell, Lynn and Chelsea, 1 each. From scarlet fever: Boston, 2; Worcester, North Adams and Newburyport, 1 each. From cerebro-spinal meningitis: Boston, Worcester and New Bedford, 1 each; Somerville, 2. From diphtheria and croup: Boston, 6; Lowell, 3; Worcester, Lawrence and Hyde Park, 1 each. From whooping-cough: Boston, 2; Lawrence, 1. From typhoid fever: Chicopee and Clinton, 1 each. From erysipelas: Lynn, 1. From diarrhœal diseases: Boston, Worcester, Chelsea and Quincy, 1 each. From small-pox: Boston, 4.

Deaths under five years of age numbered 172, as compared with 200 for the preceding week.

Deaths from the principal infectious diseases numbered 113, as compared with 163 for the preceding week.

The death rates for the week were, Boston, 22.07; Worcester, 17.96; Fall River, ——; Lowell, 14.04; Cambridge, 17.81; Lynn, 17.48; Lawrence, 20.86; Springfield, 13.22; Somerville, 19.73; New Bedford, 12.69; Holyoke, 10.81; Brockton, 8.41; Haverhill, 12.84; Salem, 21.28; Newton, 7.15; Malden, 13.00; Chelsea, 19.12; Fitchburg, 13.85; Taunton, 22.20; Everett, 15.34; North Adams, 7.82; Gloucester, ——; Quincy, 16.43; Waltham, 6.33; Pittsfield, 6.99; Brookline, ——; Chicopee, 17.83; Medford, 7.80; Northampton, 8.01; Beverly, 17.55; Clinton, 35.51; Newburyport, 43.05; Woburn, 21.84; Leominster, ——; Hyde Park, 14.99; Marlborough, ——; Melrose, 23.20; Framingham, 4.29; Revere, 8.74; Weymouth, 13.56; Southbridge, 14.38; Watertown, 4.90.

The total death rate for the week was 17.35, as compared with 18.34 and 15.90 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 22, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	112	Measles,	546
Diphtheria and croup,	127	Typhoid fever,	28
Small-pox,	57		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 22, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, Feb. 16,	30.08	26	32	19	63	78	70	N. W.	S. E.	8	7		C.	O.			0.00
Monday, . . 17,	29.58	32	34	30	94	100	97	N. E.	N. E.	44	28		N.	N.			1.02
Tuesday, . . 18,	29.07	28	33	22	88	81	84	N. W.	W.	10	20		O.	O.			0.10
Wednesday, . 19,	29.68	22	28	17	68	63	66	W.	N. W.	19	20		F.	C.			0.00
Thursday, . . 20,	30.16	30	42	19	58	58	58	W.	W.	15	12		C.	C.			0.00
Friday, . . 21,	30.11	30	36	24	80	100	90	W.	N. E.	5	15		F.	N.			0.08
Saturday, . . 22,	29.82	28	32	25	100	88	94	N. E.	N.	20	12		N.	O.			0.29
Week, . . .	29.79		34	22			80										1.49

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 1, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 9.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 1, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	219	62	45	32	23	6	2	4
Worcester,	127,337	48	20	5	9	2	..	..	..
Fall River,	111,872	..	..	..	..	..	..	..	..
Lowell,	99,574	41	18	9	7	5	4	..	..
Cambridge,	96,334	29	9	4	2	3	..	..	..
Lynn,	71,144	16	2	1	5	1	..	..	..
Lawrence,	67,275	28	13	6	3	4	..	..	2
Springfield,	66,854	22	1	3	3	1	..	..	..
Somerville,	65,882	21	1	5	5	5	..	..	..
New Bedford,	65,574	24	6	5	5	3	1	1	..
Holyoke,	48,065	15	3	6	4	3	2	1	..
Brockton,	43,208	15	5	2	..	1	..	..	..
Haverhill,	40,392	17	..	2	4	1	..	1	..
Salem,	36,567	12	2	2	3	1	1	..	..
Newton,	36,336	9	2	2	1	1	1	..	..
Malden,	35,390	11	5	1	3	..	..	..	..
Chelsea,	35,264	14	2	2	..	..	1	..	..
Fitchburg,	33,848	4	1	..	1	..	..	..	..
Taunton,	32,759	13	2	3	1	3	..	..	..
Everett,	27,114	10	5	1	..	..	..	..	..
North Adams,	26,583	4	2	3	..	2	1	..	..
Gloucester,	26,121	7	3	1	..	..	1	..	..
Quincy,	25,307	6	..	1	..	..	..	..	..
Waltham,	24,612	11	2	2	2	1	1	..	..
Pittsfield,	22,311	3	..	2	1	1	1	..	..
Brookline,	21,679	7	..	2	..	2	..	..	..
Chicopee,	20,390	1	0	..	..	..	..	..	..
Medford,	20,014	4	2	1	1	1	..	..	..
Northampton,	19,460	2	0	..	1	..	..	..	..
Beverly,	14,814	3	..	1	..	1	..	..	..
Clinton,	14,645	1	..	..	..	..	..	..	..
Newburyport,	14,478	5	1	..	2	..	..	..	..
Woburn,	14,285	4	3	..	1	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	7	..	1	1	..	1	..	..
Melrose,	13,384	4	1	1	..	1	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	1	..	..	..	..	..	..	..
Revere,	11,894	4	..	1	1	..	..	..	..
Weymouth,	11,337	5	1	..	1	..	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..
Watertown,	10,600	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,944,679	647	174	120	99	66	21	5	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and twenty deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 4; cerebro-spinal meningitis, 4; diphtheria and croup, 21; whooping-cough, 3; erysipelas, 3; typhoid fever, 5; diarrhœal diseases, 6; small-pox, 7.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 66 deaths from consumption, acute lung diseases, 99, still-births, 47.

From measles: Chelsea, 1. From scarlet fever: Worcester, 1; Springfield, 2; Malden, 1. From cerebro-spinal meningitis: Boston, 1; Worcester, 2; Brockton, 1. From diphtheria and croup: Boston, 6; Lowell, 4; Holyoke, 2; New Bedford, Salem, Chelsea, Newton, Gloucester, North Adams, Waltham, Pittsfield and Marlborough, 1 each. From whooping-cough: Boston, 2; Cambridge, 1. From erysipelas: Boston, 2; Everett, 1. From typhoid fever: Boston, 2; New Bedford, Holyoke and Haverhill, 1 each. From diarrhœal diseases: Boston, 4; Lawrence, 2. From small-pox: Boston, 5; Quincy and Revere, 1 each.

Deaths under five years of age numbered 174, as compared with 172 for the preceding week.

Deaths from the principal infectious diseases numbered 120, as compared with 113 for the preceding week.

The death rates for the week were, Boston, 19.27; Worcester, 19.70; Fall River, ——; Lowell, 21.40; Cambridge, 15.65; Lynn, 11.66; Lawrence, 21.63; Springfield, 17.11; Somerville, 16.57; New Bedford, 19.03; Holyoke, 16.21; Brockton, 18.00; Haverhill, 21.83; Salem, 17.03; Newton, 12.87; Malden, 15.90; Chelsea, 20.59; Fitchburg, 6.16; Taunton, 20.62; Everett, 19.18; North Adams, 7.82; Gloucester, 13.94; Quincy, 12.32; Waltham, 23.22; Pittsfield, 6.99; Brookline, 17.64; Chicopee, 2.55; Medford, 10.40; Northampton, 5.34; Beverly, 10.53; Clinton, 3.55; Newburyport, 17.94; Woburn, 14.56; Leominster, ——; Hyde Park, ——; Marlborough, 26.74; Melrose, 15.54; Framingham, 4.29; Revere, 18.48; Weymouth, 22.60.

The total death rate for the week was 16.75, as compared with 17.53 and 18.34 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending March 1, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	69	Measles,	783
Diphtheria and croup,	138	Typhoid fever,	44
Small-pox,	105		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, March 1, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, Feb. 23,	30.05	26	31	20	54	83	68	N.	S. E.	19	4		C.	C.			0.00
Monday, . . 24,	30.20	34	42	25	94	86	90	S.	S. W.	9	10		O.	C.			0.00
Tuesday, . . 25,	30.12	36	38	33	91	91	91	N. W.	N. E.	1	16		O.	O.			0.00
Wednesday, . 26,	29.66	38	40	36	100	100	100	N. E.	N.	24	16		R.	R.			1.40
Thursday, . . 27,	29.83	46	52	40	93	82	88	N.	S. W.	12	10		O.	C.			T
Friday, . . 28,	29.86	40	47	34	100	100	100	S. E.	E.	4	20		F.	R.			0.26
Saturday, Mar. 1,	29.70	54	62	45	86	80	83	S. W.	S. W.	16	14		C.	C.			1.46
Week, . . .	29.92		45	33			89										3.12

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 8, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 10.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 8, 1902.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	230	66	53	54	23	7	2	5
Worcester,	127,337	30	8	2	3	..	..	..	1
Fall River,	111,872	..	..	..	..	..	..	..	..
Lowell,	99,574	36	10	6	9	3	..	..	..
Cambridge,	96,334	27	5	4	4	3	..	..	..
Lynn,	71,144	20	3	4	4	3	..	..	..
Lawrence,	67,275	15	8	6	2	3	1	..	1
Springfield,	66,854	15	2	2	4	2	..	..	..
Somerville,	65,882	22	5	3	6	1	..	1	..
New Bedford,	65,574	22	13	4	6	4	..	..	..
Holyoke,	48,065	..	..	..	..	..	..	..	..
Brockton,	43,208	15	2	..	..	..	..	..	..
Haverhill,	40,392	8	1	1	3	1	..	..	..
Salem,	36,567	10	..	2	..	2	..	..	..
Newton,	36,336	5	2	1	2	..	..	..	1
Malden,	35,390	9	1	1	..	1	..	..	..
Chelsea,	35,264	17	4	5	..	2	1	..	..
Fitchburg,	33,848	9	3	..	1	..	..	..	..
Taunton,	32,759	2	0	..	1	..	..	..	..
Everett,	27,114	6	1	..	..	..	..	..	..
North Adams,	26,583	8	3	4	..	1	2	..	..
Gloucester,	26,121	6	1	2	..	1	..	..	..
Quincy,	25,307	12	4	4	2	2	..	..	1
Waltham,	24,612	6	1	1	2	1	..	..	..
Pittsfield,	22,311	4	..	..	1	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	8	2	1	2	1	..	..	..
Medford,	20,014	6	1	..	2	..	..	..	..
Northampton,	19,460	6	1	1	..	..	..	..	..
Beverly,	14,814	2	..	..	1	..	..	..	..
Clinton,	14,645	6	2	2	1	2	..	..	..
Newburyport,	14,478	2	1	..	1	..	..	..	..
Woburn,	14,285	6	2	..	2	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	5	2	1	1	..	..	..	1
Marlborough,	13,609	3	1	1	..	..	..	..	..
Melrose,	13,384	4	..	..	1	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	4	..	1	1	..	1	..	..
Weymouth,	11,337	..	..	..	..	..	..	..	..
Southbridge,	10,838	2	1	1	..	..	..	..	..
Watertown,	10,600	6	2	3	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,896,785	594	158	116	116	57	12	3	10

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and sixteen deaths were reported from the principal infectious diseases: measles, 9; scarlet fever, 2; cerebro-spinal meningitis, 7; diphtheria and croup, 12; whooping-cough, 4; erysipelas, 3; typhoid fever, 3; diarrhœal diseases, 10; small-pox, 9.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 57 deaths from consumption, acute lung diseases, 116, still-births, 47.

From measles: Boston, 5; Lowell, 1; Chelsea, 2; Watertown, 1. From scarlet fever: North Adams and Marlborough, 1 each. From cerebro spinal-meningitis: Boston, 2; Lynn, Somerville, Gloucester, Southbridge and Watertown, 1 each. From diphtheria and croup: Boston, 7; North Adams, 2; Lawrence, Chelsea and Revere, 1 each. From whooping-cough: Boston, 1; Lowell, 2; Northampton, 1. From typhoid fever: Boston, 2; Somerville, 1. From erysipelas: Boston, 2: Worcester, 1. From diarrhœal diseases: Boston, 5; Worcester, Lawrence, Newton, Quincy and Hyde Park, 1 each. From small-pox: Boston, 6; Cambridge, Lawrence and Quincy, 1 each.

Deaths under five years of age numbered 158, as compared with 174 for the preceding week.

Deaths from the principal infectious diseases numbered 116, as compared with 120 for the preceding week.

The death rates for the week were, Boston, 20.30; Worcester, 12.25; Fall River, ——; Lowell, 18.79; Cambridge, 14.57; Lynn, 14.57; Lawrence, 11.59; Springfield, 11.66; Somerville, 17.35; New Bedford, 17.44; Holyoke, ——; Brockton, 18.20; Haverhill, 10.27; Salem, 14.20; Newton, 7.15; Malden, 13.01; Chelsea, 25.00; Fitchburg, 13.85; Taunton, 3.17; Everett, 11.50; North Adams, 15.64; Gloucester, 11.94; Quincy, 24.64; Waltham, 12.67; Pittsfield, 9.31; Brookline, ——; Chicopee, 20.38; Medford, 15.60; Northampton, 16.03; Beverly, 7.02; Clinton, 21.30; Newburyport, 7.17; Woburn, 21.84; Leominster, ——; Hyde Park, 18.74; Marlborough, 11.46; Melrose, 15.52; Framingham, ——; Revere, 17.48; Weymouth, ——; Southbridge, 9.58; Watertown, 29.43.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending March 8, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	78	Measles,	682
Diphtheria and croup,	112	Typhoid fever,	25
Small-pox,	52		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, March 8, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 2,	29.36	47	55	39	100	83	92	S. E.	S. W.	2	27	O.	O.		0.13
Monday, 3,	29.54	42	48	35	77	71	74	W.	W.	16	16	O.	C.		0.00
Tuesday, 4,	29.84	36	40	32	74	43	58	W.	W.	17	18	C.	C.		0.00
Wednesday, 5,	29.80	31	34	28	50	100	75	N. E.	N. E.	5	30	O.	N.		0.65
Thursday, 6,	29.92	32	37	27	83	49	66	N. W.	N. W.	15	9	O.	C.		0.14
Friday, 7,	30.25	38	51	26	48	46	47	S. W.	S. W.	12	14	C.	O.		0.00
Saturday, 8,	30.50	39	42	36	68	78	73	N. E.	E.	8	19	O.	O.		0.00
Week,	29.89		44	32			69								0.92

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	189	265	454	Canned Goods, .	1	..	1
Butter, . . .	6	5	11	Honey, . . .	4	1	5
Cheese, . . .	4	..	4	Tea, . . .	..	..	..
Lard, . . .	1	..	1	Coffee, . . .	9	..	9
Olive Oil, . . .	..	..	..	Cocoa and Chocolate,	3	3	6
Vinegar, . . .	1	7	8	Confectionery, .	5	..	5
Spices, . . .	141	12	153	Condensed Milk, .	6	2	8
Cream of Tartar, .	23	1	24	Miscellaneous, .	4	7	11
Molasses, . . .	6	1	7	Drugs, . . .	75	28	103
Syrups, . . .	..	..	..				
Maple Sugar, . .	2	..	2				
Maple Syrup, . .	..	..	..				
				Totals, . .	480	332	812

Percentage of adulteration, 40.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 58.3 per cent., while the percentage of articles of food was 15.2 per cent.

Five complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs; one of these was under the law covering the sale of milk, two were on the sale of molasses, and two were for selling impure Sodium Phosphate. In each case fines were imposed. Total amount, $365.00.

The samples of drugs found to be adulterated were Cera Flava, Glycerinum, Oleum Oliviæ, Sodii Phosphas, Sulphur Lotum, Sulphur Præcipitatum, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Chelsea, Cambridge, Somerville, Haverhill, Lawrence, New Bedford, Worcester, Malden, Everett, Medford, Fall River, Stoughton, Waltham, Uxbridge, Taunton, Holyoke, Springfield, Northampton, Newton, Hyde Park, Dedham, Watertown, Westfield, Brookline, Dover and Attleborough.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 15, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 11.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 15, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-Spinal Meningitis.
Boston,	588,730	255	77	55	43	28	4	2	3
Worcester,	127,337	27	14	2	4	..	..	..	1
Fall River,	111,872	32	19	8	9	1	1	..	..
Lowell,	99,574	36	10	7	6	6	1	..	..
Cambridge,	96,334	25	12	8	5	4	2	..	..
Lynn,	71,144	7	3	2	3	1	..	..	1
Lawrence,	67,275	22	4	2	3	1	..	1	..
Springfield,	66,854	15	2	2	3	2	..	..	..
Somerville,	65,882	15	4	3	2	2	..	..	..
New Bedford,	65,574	21	7	3	5	2	1	..	..
Holyoke,	48,065	13	3	6	2	4	1	1	..
Brockton,	43,208	9	0	1	..	1	..	..	..
Haverhill,	40,392	11	..	3	2	2	1	..	..
Salem,	36,567	17	4	1	2	1	..	..	..
Newton,	36,336	7	3	..	1	..	..	..	..
Malden,	35,390	14	5	1	2	..	..	..	..
Chelsea,	35,264	15	..	1	..	..	1	..	..
Fitchburg,	33,848	4	2	1	..	..	1	..	..
Taunton,	32,759	7	0	3	..	3	..	..	..
Everett,	27,114	5	1	..	..	..	..	..	..
North Adams,	26,583	4	1	1	1	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	7	1	3	1	1	..	..	..
Waltham,	24,612	9	2	1	1	..	1	..	..
Pittsfield,	22,311	3	..	1	..	..	..	..	1
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	5	3	..	..	..	..	..	..
Medford,	20,014	4	2	..	1	..	..	..	..
Northampton,	19,460	4	0	1	..	1	..	..	..
Beverly,	14,814	2	1	..	..	..	..	..	..
Clinton,	14,645	3	1	2	1	1	..	..	..
Newburyport,	14,478	8	0	2	..	1	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	3	1	1	1	..	..	..	1
Marlborough,	13,609	8	2	5	1	1	2	..	2
Melrose,	13,384	..	..	..	..	..	..	..	..
Westfield,	13,038	2	1	1	..	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	2	..	..	..	..	..	..	..
Revere,	11,894	5	3	1	1	..	..	..	..
Weymouth,	11,337	4	..	2	..	1	..	..	..
Southbridge,	10,838	4	4	..	2	..	..	..	..
Watertown,	10,600	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-Spinal Meningitis.
Total of reporting towns, ..	2,018,816	634	192	130	102	65	16	4	9

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and thirty deaths were reported from the principal infectious diseases: measles, 6; scarlet fever, 4; cerebro-spinal meningitis, 9; diphtheria and croup, 16; whooping-cough, 4; erysipelas, 5; typhoid fever, 4; puerperal fever, 2; diarrhœal diseases, 10; small-pox, 5.

No deaths were reported from malarial fever or influenza.

There were 65 deaths from consumption, acute lung diseases, 102, still-births, 74.

From measles: Boston, 4; Cambridge, 2. From scarlet fever: Boston, 2; Fall River, 1; Westfield, 1. From cerebro-spinal meningitis: Boston, 3; Worcester, 1; Lynn, 1; Pittsfield, 1; Marlborough, 2; Hyde Park, 1. From diphtheria and croup: Boston, 4; Cambridge and Marlborough, 2 each; Fall River, Lowell, New Bedford, Holyoke, Haverhill, Chelsea, Fitchburg and Waltham, 1 each. From erysipelas: Boston, 5. From typhoid fever: Boston, 2; Lawrence and Holyoke, 1 each. From diarrhœal diseases: Boston, 2; Fall River, 5; Somerville, Malden and Quincy, 1 each. From small-pox: Boston, 4; Newburyport, 1.

Deaths under five years of age numbered 192, as compared with 158 for the preceding week.

Deaths from the principal infectious diseases numbered 130, as compared with 116 for the preceding week.

The death rates for the week were, Boston, 22.50; Worcester, 11.02; Fall River, 14.87; Lowell, 18.79; Cambridge, 13.50; Lynn, 5.09; Lawrence, 17.00; Springfield, 11.67; Somerville, 11.84; New Bedford, 16.65; Holyoke, 14.05; Brockton, 10.80; Haverhill, 14.12; Salem, 24.12; Newton, 10.00; Malden, 20.24; Chelsea, 22.06; Fitchburg, 6.16; Taunton, 11.10; Everett, 9.59; North Adams, 7.82; Gloucester, ——; Quincy, 14.38; Waltham, 19.00; Pittsfield, 6.99; Brookline, ——; Chicopee, 12.74; Medford, 10.40; Northampton, 10.69; Beverly, 7.02; Clinton, 10.65; Newburyport, 28.70; Woburn, ——; Leominster, ——; Hyde Park, 11.25; Marlborough, 30.56; Melrose, ——; Framingham, 8.58; Revere, 21.85; Weymouth, 18.08; Southbridge, 19.16.

The total death rate for the week was 16.32, as compared with 16.27 and 16.75, for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending March 15, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	85	Measles,	705
Diphtheria and croup,	139	Typhoid fever,	32
Small-pox,	55		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, March 15, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 9,	30.04	38	41	35	94	95	94	S. E.	N. W.	17	16		R.	O.			0.57
Monday, . . 10,	30.14	40	46	35	66	60	63	N. W.	N. W.	24	8		C.	C.			0.00
Tuesday, . . 11,	30.32	42	51	33	78	85	82	E.	S. W.	4	20		F.	O.			0.00
Wednesday, . 12,	29.92	56	69	43	64	70	67	S. W.	S. W.	14	16		O.	C.			T
Thursday, . . 13,	29.62	52	65	40	82	100	91	S. W.	N. W.	18	7		R.	R.			0.08
Friday, . . 14,	30.32	38	41	34	55	60	58	N. E.	N. E.	16	4		C.	C.			0.05
Saturday, . . 15,	30.50	40	47	32	64	71	68	W.	S.	4	9		C.	C.			0.00
Week, . . .	30.12		51	36			75										0.70

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 22, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 12.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 22, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-Spinal Meningitis.
Boston,	588,730	240	69	62	35	32	4	3	1
Worcester,	127,337	19	12	4	3	3	..	..	1
Fall River,	111,872	41	19	10	11	4	..	..	..
Lowell,	99,574	43	16	7	2	6	1	..	..
Cambridge,	96,334	29	7	7	9	5	..	1	..
Lynn,	71,144	18	..	3	3	3	..	..	..
Lawrence,	67,275	23	7	2	6	1	..	..	..
Springfield,	66,854	22	5	2	1	1	..	1	..
Somerville,	65,882	17	4	2	3	1	..	..	1
New Bedford,	65,574	22	6	3	9	3	..	..	..
Holyoke,	48,065	..	..	..	..	..	..	..	..
Brockton,	43,208	11	3	1	..	1	..	..	..
Haverhill,	40,392	12	..	2	2	2	..	..	..
Salem,	36,567	11	2	..	..	..	..	..	..
Newton,	36,336	13	2	..	1	..	..	..	..
Malden,	35,390	2	1	..	..	..	..	..	..
Chelsea,	35,264	11	..	1	..	..	..	..	..
Fitchburg,	33,848	9	..	..	1	..	..	..	..
Taunton,	32,759	8	0	2	1	2	..	..	..
Everett,	27,114	7	1	1	2	1	..	..	..
North Adams,	26,583	6	1	..	..	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	6	1	4	2	1	..	..	..
Waltham,	24,612	6	2	..	2	..	..	..	..
Pittsfield,	22,311	5	..	2	1	2	..	..	..
Brookline,	21,679	5	1	..	1	..	..	..	..
Chicopee,	20,390	5	2	2	..	..	2	..	..
Medford,	20,014	5	1	..	..	..	..	..	..
Northampton,	19,460	5	1	..	..	..	..	..	..
Beverly,	14,814	..	..	..	..	..	..	..	..
Clinton,	14,645	0	..	..	..	..	..	..	..
Newburyport,	14,478	3	..	..	..	..	..	..	..
Woburn,	14,285	2	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	4	2	..	3	..	..	..	..
Marlborough,	13,609	3	..	1	..	1	..	..	..
Melrose,	13,384	8	..	1	1	..	..	..	..
Westfield,	13,038	5	1	..	1	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	3	..	..	..	..	..	..	..
Revere,	11,894	3	..	..	1	..	..	..	..
Weymouth,	11,337	2	..	..	..	..	..	..	..
Southbridge,	10,838	2	1	1	1	..	..	..	..
Watertown,	10,600	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-Spinal Meningitis.
Total of reporting towns, ..	2,105,285	636	167	120	102	69	7	5	3

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and twenty deaths were reported from the principal infectious diseases: measles, 6; cerebro-spinal meningitis, 3; diphtheria and croup, 7; whooping-cough, 4; erysipelas, 2; typhoid fever, 5; puerperal fever, 1; diarrhœal diseases, 18; small-pox, 4; malarial fever, 1.

No deaths were reported from scarlet fever or influenza.

There were 69 deaths from consumption, acute lung diseases, 102, still-births, 32.

From measles: Boston, 4; Chelsea, 1; Southbridge, 1. From cerebro-spinal meningitis: Boston, Worcester, and Somerville, 1 each. From diphtheria and croup: Boston, 4; Lowell, 1; Chicopee, 2. From whooping cough: Boston, 2; Lawrence and Quincy, 1 each. From erysipelas: Boston, 2. From typhoid fever: Boston, 3; Cambridge and Springfield, 1 each. From puerperal fever: Boston, 1. From diarrhœal diseases: Boston, 10; Fall River, 6; Quincy, 2. From small-pox: Boston, 2; Cambridge and Melrose, 1 each.

Deaths under five years of age numbered 167, as compared with 192 for the preceding week.

Deaths from the principal infectious diseases numbered 120, as compared with 130 for the preceding week.

The death rates for the week were, Boston, 21.19; Worcester, 7.76; Fall River, 19.06; Lowell, 22.44; Cambridge, 15.65; Lynn, 13.11; Lawrence, 17.77; Springfield, 17.11; Somerville, 13.42; New Bedford, 17.45; Holyoke, ——; Brockton, 13.21; Haverhill, 15.41; Salem, 15.60; Newton, 18.59; Malden, 2.89; Chelsea, 16.18; Fitchburg, 13.85; Taunton, 12.69; Everett, 13.43; North Adams, 11.73; Gloucester, ——; Quincy, 12.32; Waltham, 12.67; Pittsfield, 11.64; Brookline, 11.96; Chicopee, 12.74; Medford, 13.00; Northampton, 13.36; Beverly, ——; Clinton, ——; Newburyport, 10.76; Woburn, 7.28; Leominster, ——; Hyde Park, 15.00; Marlborough, 11.46; Melrose, 31.04; Framingham, 12.89; Revere, 13.11; Weymouth, 9.04; Southbridge, 9.58.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending March 22, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	62	Measles,	481
Diphtheria and croup,	118	Typhoid fever,	30
Small-pox,	110		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, March 22, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 16,	30.30	48	61	34	92	88	90	S. E.	S.	4	16		O.	O.			T
Monday, . . 17,	29.90	50	56	43	90	88	89	W.	N. E.	9	6		O.	O.			0.79
Tuesday, . . 18,	29.90	34	43	26	66	47	56	N.	N. W.	15	22		O.	C.			0.00
Wednesday, . 19,	29.50	34	42	26	82	67	74	N. W.	N. E.	30	26		N.	O.			0.09
Thursday, . . 20,	29.71	38	43	34	77	96	86	N. W.	N.	12	5		O.	R.			0.12
Friday, . . 21,	29.84	46	52	40	88	72	80	N.	N. W.	12	6		O.	O.			0.01
Saturday, . . 22,	29.93	52	57	48	75	67	71	N.	N.	10	4		O.	O.			T
Week, . . .	29.87		51	36			78										1.01

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 29, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 13.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 29, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Prineipal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-Spinal Meningitis.
Boston,	588,730	203	47	46	34	28	2	4	1
Worcester,	127,337	28	18	5	5	1	..	..	3
Fall River,	111,872	35	16	4	17	3	..	..	..
Lowell,	99,574	29	7	3	8	2	..	..	..
Cambridge,	96,334	19	3	7	3	4	1	1	..
Lynn,	71,144	9	1	..	1	..	..	..	..
Lawrence,	67,275	19	7	4	6	2	..	..	..
Springfield,	66,854	20	5	5	1	2	..	1	..
Somerville,	65,882	17	6	2	3	2	..	..	..
New Bedford,	65,574	30	10	3	9	1	1	..	..
Holyoke,	48,065	16	9	5	..	5	..	..	..
Brockton,	43,208	9	1	3	..	2	..	..	1
Haverhill,	40,392	6	1	..	..	..	..	..	..
Salem,	36,567	14	4	1	3	..	..	..	..
Newton,	36,336	7	3	..	1	..	..	..	..
Malden,	35,390	13	4	10	..	..	1	..	..
Chelsea,	35,264	9	..	..	..	..	..	..	..
Fitchburg,	33,848	10	3	..	1	..	..	..	..
Taunton,	32,759	6	2	3	1	3	..	..	..
Everett,	27,114	6	2	1	..	..	..	1	..
North Adams,	26,583	4	2	..	1	..	..	..	..
Gloucester,	26,121	6	1	2	..	1	..	..	..
Quincy,	25,307	5	2	..	1	..	..	..	..
Waltham,	24,612	8	..	1	2	1	..	..	..
Pittsfield,	22,311	5	..	1	..	..	..	..	1
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	7	1	2	..	2	..	..	..
Medford,	20,014	2	..	1	..	1	..	..	..
Northampton,	19,460	4	1	1	..	1	..	..	..
Beverly,	14,814	4	1	..	..	..	..	..	..
Clinton,	14,645	3	1	..	1	..	..	..	..
Newburyport,	14,478	2	1	..	..	..	..	..	..
Woburn,	14,285	4	..	3	..	3	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	3	..	1	..	1	..	..	..
Marlborough,	13,609	5	3	3	..	..	3	..	..
Melrose,	13,384	3	1	..	1	..	..	..	..
Westfield,	13,038	3	..	..	1	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	2	1	..	..	..	..	..	..
Weymouth,	11,337	0	..	..	..	..	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..
Watertown,	10,600	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infeetious Diseases.	Aeute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-Spinal Meningitis.
Total of reporting towns,	2,049,659	575	164	117	100	65	8	7	6

Note.—*The populations of the Massaehusetts eities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate eensus in 1895. The populations of Glouester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight deerease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and seventeen deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 11; cerebro-spinal meningitis, 6; diphtheria and croup, 8; whooping-cough, 2; erysipelas, 1; typhoid fever, 7; puerperal fever, 2; diarrhœal diseases, 5; small-pox, 5.

No deaths were reported from malarial fever or influenza.

There were 65 deaths from consumption, acute lung diseases, 100, still-births, 30.

From measles: Lowell, 1; Salem, 1; Malden, 9. From scarlet fever: Springfield, 2; Worcester, Fall River and Lawrence, 1 each. From cerebro-spinal meningitis: Worcester, 3; Boston, Brockton and Pittsfield, 1 each. From diphtheria and croup: Boston, 2; Marlborough, 3; Cambridge, New Bedford and Malden, 1 each. From whooping cough: Boston and Gloucester, 1 each. From erysipelas: Boston, 1. From diarrhœal diseases: Boston, 4; Lawrence, 1. From small-pox: Boston, 4; Cambridge, 1.

Deaths under five years of age numbered 164, as compared with 167 for the preceding week.

Deaths from the principal infectious diseases numbered 117, as compared with 120 for the preceding week.

The death rates for the week were, Boston, 17.92; Worcester, 11.43; Fall River, 16.27; Lowell, 15.13; Cambridge, 10.25; Lynn, 6.56; Lawrence, 14.68; Springfield, 15.56; Somerville, 13.42; New Bedford, 23.79; Holyoke, 17.29; Brockton, 10.80; Haverhill, 7.70; Salem, 19.87; Newton, 10.00; Malden, 18.80; Chelsea, 13.23; Fitchburg, 15.39; Taunton, 9.52; Everett, 11.51; North Adams, 7.82; Gloucester, 11.95; Quincy, 10.27; Waltham, 16.89; Pittsfield, 11.64; Brookline, ——; Chicopee, 17.84; Medford, 5.20; Northampton, 10.69; Beverly, 14.04; Clinton, 10.65; Newburyport, 7.18; Woburn, 14.56; Leominster, ——; Hyde Park, 11.25; Marlborough, 19.10; Melrose, 11.65; Framingham, ——; Revere, 8.75; Weymouth, ——.

The total death rate for the week was 14.59, as compared with 15.75 and 16.32 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending March 29, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	90	Measles,	609
Diphtheria and croup,	147	Typhoid fever,	19
Small-pox,	36		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, March 29, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 23,	30.00	50	58	43	79	60		70	N.	N. W.	6	10		O.	O.			0.00
Monday, 24,	30.04	40	44	36	60	63		62	N.	N. E.	6	8		C.	O.			T
Tuesday, 25,	30.17	40	46	34	64	75		70	N.	E.	17	7		F.	C.			T
Wednesday, 26,	30.36	37	42	32	75	71		73	N. E.	S.	8	10		C.	C.			0.00
Thursday, 27,	30.21	46	57	34	52	53		52	S. W.	S.	9	20		C.	F.			0.00
Friday, 28,	30.01	49	57	41	78	96		87	S. W.	S. W.	11	8		O.	R.			0.07
Saturday, 29,	29.67	53	56	50	94	97		96	S.	S.	18	9		R.	O.			1.13
Week,	30.07		51	39				73										1.20

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 5, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 14.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary*.

MORTALITY OF MASSACHUSETTS

For the Week ending April 5, 1902.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	233	66	41	52	23	4	1	3
Worcester,	127,337	30	12	2	5	1	1	..	..
Fall River,	111,872	39	..	7	12	2	2	..	2
Lowell,	99,574	35	6	8	3	6	2	..	..
Cambridge,	96,334	34	8	7	6	4	2	..	..
Lynn,	71,144	22	9	3	2	1	..	..	..
Lawrence,	67,275	19	8	3	5	1	..	1	..
Springfield,	66,854	15	7	1	3	..	..	..	..
Somerville,	65,882	15	4	2	..	1	..	..	..
New Bedford,	65,574	20	6	5	5	3	2	..	..
Holyoke,	48,065	15	7	2	2	2	..	..	..
Brockton,	43,208	7	3	3	..	2	..	1	..
Haverhill,	40,392	12	3	1	4	..	..	..	..
Salem,	36,567	9	2	..	..	..	..	..	..
Newton,	36,336	10	2	3	..	2	1	..	..
Malden,	35,390	11	4	3	3	3	..	..	..
Chelsea,	35,264	8	..	3	..	3	..	..	..
Fitchburg,	33,848	7	2	2	2	2	..	..	..
Taunton,	32,759	16	2	4	2	3	..	..	1
Everett,	27,114	7	3	..	..	..	..	..	..
North Adams,	26,583	6	..	..	2	..	..	..	..
Gloucester,	26,121	3	1	..	1	..	..	..	..
Quincy,	25,307	6	..	..	..	..	..	..	..
Waltham,	24,612	8	2	4	2	2	1	1	..
Pittsfield,	22,311	3	..	..	1	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	6	1	1	1	1	..	..	..
Medford,	20,014	4	3	..	1	..	..	..	..
Northampton,	19,460	4	1	1	..	1	..	..	..
Beverly,	14,814	2	..	..	..	..	..	..	..
Clinton,	14,645	5	..	1	..	..	..	1	..
Newburyport,	14,478	9	..	2	..	2	..	..	..
Woburn,	14,285	5	1	..	1	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	4	2	2	..	1	..	..	1
Marlborough,	13,609	5	1	3	..	1	2	..	..
Melrose,	13,384	4	1	..	..	..	..	..	..
Westfield,	13,038	3	..	2	..	2	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Milford,	12,516	0	..	..	..	..	..	..	..
Framingham,	12,109	4	..	3	1	1	..	1	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	3	1	..	..	..	..	..	..
Watertown,	10,600	5	1	2	..	2	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,073,197	653	169	121	116	72	17	6	7

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and twenty-one deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 1; cerebro-spinal meningitis, 4; diphtheria and croup, 17; whooping-cough, 4; erysipelas, 3; typhoid fever, 6; puerperal fever, 1; diarrhœal diseases, 1; small-pox, 1.

No deaths were reported from malarial fever or influenza.

There were 72 deaths from consumption, acute lung diseases, 116, still-births, 51.

From measles: Boston, 2; Lynn, 2; Haverhill, 1. From scarlet fever: Fall River, 1. From cerebro-spinal meningitis: Boston, 4. From diphtheria and croup: Boston, 4; Fall River, Lowell, Cambridge, New Bedford and Marlborough, 2 each; Worcester, Newton and Waltham, 1 each. From whooping-cough: Boston, 2; Lawrence and Springfield, 1 each. From erysipelas: Boston, Somerville and Framingham, 1 each. From diarrhœal diseases: Boston, 3; Fall River, 2; Taunton and Hyde Park, 1 each. From small-pox: Cambridge, 1.

Deaths under five years of age numbered 169, as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 121, as compared with 117 for the preceding week.

The death rates for the week were, Boston, 20.57; Worcester, 12.25; Fall River, 18.13; Lowell, 18.27; Cambridge, 18.35; Lynn, 16.03; Lawrence, 14.68; Springfield, 11.66; Somerville, 11.84; New Bedford, 15.86; Holyoke, 16.21; Brockton, 8.41; Haverhill, 15.41; Salem, 12.77; Newton, 14.30; Malden, 15.90; Chelsea, 11.77; Fitchburg, 10.77; Taunton, 25.37; Everett, 13.43; North Adams, 11.73; Gloucester, 5.97; Quincy, 12.32; Waltham, 16.89; Pittsfield, 6.98; Brookline, ——; Chicopee, 15.29; Medford, 10.40; Northampton, 10.69; Beverly, 7.02; Clinton, 17.75; Newburyport, 32.30; Woburn, 18.20; Leominster, ——; Hyde Park, 15.00; Marlborough, 19.10; Melrose, 15.54; Westfield, 11.96; Milford, ——; Framingham, 17.16; Gardner, 13.52; Weymouth, ——; Southbridge, ——; Watertown, 24.52.

The total death rate for the week was 16.38, as compared with 14.59 and 15.70 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 5, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	84	Measles, ...	475
Diphtheria and croup, ...	126	Typhoid fever, ...	18
Small-pox, ...	65		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 5, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, March 30	29.60	54	61	48	75	73	74	N. W.	S.	8	13	C.	O.		0.00
Monday, . . 31,	29.38	46	55	38	66	70	68	W.	S. W.	15	10	F.	C.		T
Tuesday, April 1,	29.30	43	52	34	75	61	68	N. W.	W.	8	16	F.	F.		T
Wednesday, . 2,	29.48	43	47	39	62	59	62	S. W.	W.	19	16	O.	C.		0.00
Thursday, . . 3,	29.80	43	51	35	60	54	57	W.	N.	14	9	C.	C.		0.00
Friday, . . 4,	30.02	40	45	34	61	69	65	N.	S.	4	8	C.	F.		0.00
Saturday, . . 5,	29.90	41	45	37	83	79	81	W.	N. E.	19	9	O.	O.		T
Week, . . .	29.64		51	38			68								0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 12, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 15.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 12, 1902.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	588,730	199	58	30	38	14	3	1	2
Worcester,	127,337	27	3	3	5	2	..	..	1
Fall River,	111,872	40	16	14	7	7	2	..	..
Lowell,	99,574	36	11	8	3	6	2	..	..
Cambridge,	96,334	27	10	6	5	4	1	..	1
Lynn,	71,144	22	9	7	4	2	..	..	2
Lawrence,	67,275	23	14	6	8	3	..	1	..
Springfield,	66,854	14	..	1	4	1	..	..	..
Somerville,	65,882	24	2	8	3	4	1	..	2
New Bedford,	65,574	26	9	4	5	3	..	..	1
Holyoke,	48,065	11	4	2	3	2	..	..	..
Brockton,	43,208	7	3	4	..	2	1	..	1
Haverhill,	40,392	7	2	1	2	1	..	..	..
Salem,	36,567	13	1	5	1	4	..	1	..
Newton,	36,336	10	3	1	2	1	..	..	..
Malden,	35,390	8	2	..	..	..	..	..	..
Chelsea,	35,264	10	6	1	..	..	..	..	..
Fitchburg,	33,848	14	6	2	2	1	..	..	..
Taunton,	32,759	17	3	3	3	3	..	..	..
Everett,	27,114	6	1	..	..	..	..	..	..
North Adams,	26,583	6	..	1	2	1	..	..	..
Gloucester,	26,121	3	..	..	..	..	..	..	..
Quincy,	25,307	7	2	4	..	1	..	..	..
Waltham,	24,612	13	1	2	2	2	..	..	..
Pittsfield,	22,311	5	..	..	2	..	..	..	..
Brookline,	21,679	7	1	2	2	2	..	..	..
Chicopee,	20,390	6	4	..	2	..	..	..	..
Medford,	20,014	6	1	1	1	..	1	..	..
Northampton,	19,460	5	1	1	..	1	..	..	..
Beverly,	14,814	3	..	..	1	..	..	..	..
Clinton,	14,645	2	0	..	..	..	..	..	..
Newburyport,	14,478	8	2	..	2	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	6	3	1	1	1	..	..	..
Melrose,	13,384	2	..	..	..	..	..	..	..
Westfield,	13,038	8	..	1	2	..	..	..	..
Attleborough,	12,846	..	..	..	..	..	..	..	..
Framingham,	12,109	1	..	..	..	..	..	..	..
Revere,	11,894	2	1	..	..	..	..	..	..
Gardner,	11,544	2	1	1	..	..	..	..	1
Weymouth	11,337	0	..	..	..	..	..	..	..
Southbridge,	10,838	6	5	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,077,686	639	185	121	112	69	11	3	11

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and twenty-one deaths were reported from the principal infectious diseases: measles, 6; cerebro-spinal meningitis, 11; diphtheria and croup, 11; whooping-cough, 1; erysipelas, 3; typhoid fever, 3; diarrhœal diseases, 6; small-pox, 6.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 69 deaths from consumption, acute lung diseases, 112, still-births, 37.

From measles: Boston, 1; Lynn, 3; Chelsea, 1; Quincy, 1. From cerebro-spinal meningitis: Boston, Lynn and Somerville, 2 each. Worcester, Cambridge, New Bedford, Brockton and Gardner, 1 each. From scarlet fever: Boston, 1; Fall River, 2; Fitchburg, 1; Westfield, 1. From diphtheria and croup: Boston, 3; Fall River and Lowell, 2 each; Cambridge, Somerville, Brockton and Medford, 1 each. From whooping-cough: Boston, 1. From erysipelas: Boston, 3. From diarrhœal diseases: Boston, 1; Fall River, 3; Lawrence and Somerville, 1 each. From small-pox: Boston, 3; Lawrence, 1; Quincy, 2.

Deaths under five years of age numbered 185, as compared with 169 for the preceding week.

Deaths from the principal infectious diseases numbered 121, as compared with 121 for the preceding week.

The death rates for the week were, Boston, 17.57; Worcester, 11.02; Fall River, 18.59; Lowell, 18.79; Cambridge, 14.57; Lynn, 16.03; Lawrence, 17.77; Springfield, 10.89; Somerville, 18.94; New Bedford, 20.62; Holyoke, 11.89; Brockton, 8.40; Haverhill, 8.98; Salem, 18.45; Newton, 14.30; Malden, 14.46; Chelsea, 14.71; Fitchburg, 22.54; Taunton, 26.96; Everett, 11.51; North Adams, 11.73; Gloucester, 5.97; Quincy, 14.38; Waltham, 27.44; Pittsfield, 11.65; Brookline, 20.74; Chicopee, 15.29; Medford, 15.60; Northampton, 13.36; Beverly, 10.55; Clinton, 7.10; Newburyport, 28.70; Woburn, ——; Leominster, ——; Hyde Park, ——; Marlborough, 22.93; Melrose, 7.76; Westfield, 31.70; Framingham, 4.29; Revere, 8.75; Weymouth, ——; Southbridge, 28.74.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 12, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	51	Measles, ...	554
Diphtheria and croup, ...	138	Typhoid fever, ...	26
Small-pox, ...	34		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 12, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 6,	29.97	43	51	35	76	75	76	W.	S.	7	8	F.	C.			0.00
Monday, . . 7,	30.10	42	45	40	87	88	88	S. E.	E.	7	14	R.	O.			T
Tuesday, . . 8,	30.00	40	42	39	90	100	95	N. E.	N. E.	22	30	O.	R.			0.48
Wednesday, . 9,	29.61	42	45	40	100	100	100	E.	N. E.	12	12	R.	O.			1.27
Thursday, . . 10,	29.68	40	41	38	96	87	92	N.	N.	14	10	O.	O.			T
Friday, . . 11,	29.78	44	50	38	88	68	78	W.	N. W.	9	7	R.	O.			T
Saturday, . . 12,	29.68	52	60	43	73	65	69	S. W.	N. E.	11	4	C.	O.			T
Week, . . .	29.83		48	39			85									1.75

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of March, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	230	314	544	Canned Goods, .	2	..	2
Butter, . . .	15	5	20	Honey, . . .	3	4	7
Cheese, . . .	2	..	2	Tea, . . .	2	..	2
Lard, . . .	2	1	3	Coffee, . . .	8	..	8
Olive Oil, . . .	..	..	..	Cocoa and Chocolate,	3	1	4
Vinegar, . . .	10	22	32	Condensed Milk, .	8	..	8
Spices, . . .	94	7	101	Miscellaneous, .	1	..	1
Cream of Tartar, .	23	..	23	Drugs, . . .	54	35	89
Molasses, . . .	9	1	10				
Syrups, . . .	..	..	..				
Maple Sugar, . .	3	..	3				
Maple Syrup, . .	1	1	2				
				Totals, . .	470	391	861

Percentage of adulteration, 45.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 57.7 per cent., while the percentage of articles of food was 18.4 per cent.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs; one being a case of "renovated" butter, two of vinegar, two of milk, and one of quinine pills. Conviction followed in all cases. Fines imposed, $319.40.

The samples of drugs found to be adulterated were Aqua destillata, Capsicum, Cera Alba, Cera Flava, Chloroformum, Liquor Calcis, Oleum Olivæ, Oleum Limonis, Pulvis Glycyrrhizae Comp, Quininæ Sulphas, Sulphur Lotum, Sulphur Præcipitatum, Sodii Phosphas, Tinctura Iodi, Tinctura Opii.

Cities and towns from which samples of food were collected were Boston, Revere, Malden, Everett, Fall River, Dedham, Chelsea, Brookline, Medford, Stoneham, Winchester, Cambridge, Somerville, Arlington, Woburn, Haverhill, Needham, Salem, Fitchburg, Newburyport, Lowell, New Bedford, Norwood, Worcester, Attleborough, Newton, Clinton, Watertown, Springfield, Waltham, Pittsfield, Northampton, Marlborough and Hudson.

RECORD OF PROSECUTIONS IN FEBRUARY AND MARCH.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	February 5,	Joseph P. Cunningham,	Blackstone,	Molasses,	Conviction.
2	February 12,	William H. Corey,	New Bedford,	Molasses,	Conviction.
3	February 19,	Joseph N. Therien,	New Bedford,	Phosphate of Soda,	Conviction.
4	February 19,	John Timmins,	New Bedford,	Phosphate of Soda,	Conviction.
5	February 21,	Francis W. Wardner,	Dover,	Milk,	Conviction.
6	March 5,	Alphonso Kervack,	New Bedford,	Renovated Butter,	Conviction.
7	March 12,	Albert S. Morse,	New Bedford,	Cider Vinegar,	Conviction.
8	March 12,	John Barrett,	New Bedford,	Cider Vinegar,	Conviction.
9	March 15,	Arthur J. Connor,	Boston,	Quinine Pills,	Conviction.
10	March 19,	Jacob F. Hagar,	Weston,	Milk,	Conviction.
11	March 26,	Geo. M. Chamberlin,	Needham,	Milk,	Conviction.

Notes on the Foregoing Cases.

Fines were imposed to the amount of $684.40.

The two samples of molasses, Nos. 1 and 2, were adulterated with glucose, the amount being in these two cases, 65 and 42 per cent. respectively.

Nos. 3 and 4 were cases of adulteration of phosphate of soda with arsenic, a dangerous adulteration amounting in No. 3 to four parts and in No. 4 to eighty parts per 100,000.

In the three cases of milk adulteration, the total solids were respectively, 10.87, 10.75 and 10.30.

The cider vinegar was an artificial product made by the Albion Co. of Albion, New York.

The quinine pills were sold by a manufacturing chemist, and contained only 70 per cent. of the required amount of quinine, the remainder being composed of foreign material.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 19, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 16.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 19, 1902.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston, ...	588,730	243	74	62	33	30	9	4	5
Worcester, ...	127,337	41	19	6	..	4	..	..	1
Fall River, ...	111,872	..	..	..	..	..	..	..	..
Lowell, ...	99,574	40	14	5	6	2	2	..	..
Cambridge, ...	96,334	20	6	7	3	5	1	..	..
Lynn, ...	71,144	19	8	3	..	..	1	..	1
Lawrence, ...	67,275	19	9	3	5	3	..	..	..
Springfield, ...	66,854	12	4	1	1	1	..	..	..
Somerville, ...	65,882	18	5	5	4	1	..	..	1
New Bedford, ...	65,574	21	13	1	2	..	..	..	1
Holyoke, ...	48,065	9	3	2	1	1	..	..	..
Brockton, ...	43,208	14	3	4	..	1	2	1	..
Haverhill, ...	40,392	14	4	2	4	1	..	..	..
Salem, ...	36,567	10	2	1	..	1	..	..	..
Newton, ...	36,336	5	3	1	..	..	..	..	..
Malden, ...	35,390	11	3	1	..	1	..	..	..
Chelsea, ...	35,264	10	3	..	..	..	..	..	..
Fitchburg, ...	33,848	4	2	..	..	..	..	..	..
Taunton, ...	32,759	12	1	2	3	2	..	..	..
Everett, ...	27,114	7	3	3	..	3	..	..	..
North Adams, ...	26,583	7	1	..	2	..	..	..	..
Gloucester, ...	26,121	..	..	..	..	..	..	..	..
Quincy, ...	25,307	6	1	1	1	1	..	..	..
Waltham, ...	24,612	7	2	1	..	1	..	..	..
Pittsfield, ...	22,311	7	..	..	2	..	..	..	..
Brookline, ...	21,679	..	..	..	..	..	..	..	..
Chicopee, ...	20,390	8	5	..	1	..	..	..	..
Medford, ...	20,014	0	..	..	..	..	..	..	..
Northampton, ...	19,460	4	2	1	..	1	..	..	..
Beverly, ...	14,814	6	2	..	3	..	..	..	..
Clinton, ...	14,645	7	..	1	1	1	..	..	..
Newburyport, ...	14,478	5	0	1	..	1	..	..	..
Woburn, ...	14,285	1	..	..	..	..	..	..	..
Leominster, ...	13,953	..	..	..	..	..	..	..	..
Hyde Park, ...	13,858	3	1	1	2	1	..	..	..
Marlborough, ...	13,609	4	1	1	1	..	1	..	..
Melrose, ...	13,384	7	1	..	..	..	..	..	..
Westfield, ...	13,038	3	1	..	1	..	..	..	..
Attleborough, ...	12,846	..	..	..	..	..	..	..	..
Revere, ...	11,894	2	..	..	..	..	..	..	..
Gardner, ...	11,544	7	2	1	1	..	..	1	..
Weymouth	11,337	6	1	2	..	2	..	..	..
Southbridge, ...	10,838	3	3	..	3	..	..	..	..
Watertown, ...	10,600	2	1	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	1,944,648	624	203	119	81	64	16	6	9

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases : measles, 5 ; scarlet fever, 3 ; cerebro-spinal meningitis, 9 ; diphtheria and croup, 16 ; whooping-cough, 3 ; erysipelas, 4 ; typhoid fever, 6 ; diarrhœal diseases, 4 ; small-pox, 5.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 64 deaths from consumption, acute lung diseases, 81, still-births, 59.

From measles : Boston, 2 ; Lynn, Haverhill and Newton, 1 each. From scarlet fever : Boston, 3. From cerebro-spinal meningitis : Boston, 5 ; Worcester, Lynn, New Bedford and Somerville, 1 each. From diphtheria and croup : Boston, 9 ; Lowell, 2 ; Brockton, 2 ; Cambridge, Lynn and Marlborough, 1 each. From whooping-cough : Worcester, Lowell and Cambridge, 1 each. From erysipelas : Boston, 3 ; Somerville, 1. From diarrhœal diseases : Boston, 2 ; Somerville and Holyoke, 1 each. From small-pox : Boston, 4 ; Somerville, 1.

Deaths under five years of age numbered 203, as compared with 185 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 121 for the preceding week.

The death rates for the week were, Boston, 21.45 ; Worcester, 16.74 ; Fall River, —— ; Lowell, 20.88 ; Cambridge, 10.79 ; Lynn, —— ; Lawrence, 14.68 ; Springfield, 9.33 ; Somerville, 14.21 ; New Bedford, 16.65 ; Holyoke, 9.73 ; Brockton, 16.80 ; Haverhill, 17.98 ; Salem, 14.20 ; Newton, 7.15 ; Malden, 15.90 ; Chelsea, 14.72 ; Fitchburg, 6.16 ; Taunton, 19.03 ; Everett, 13.42 ; North Adams, 13.68 ; Gloucester, —— ; Quincy, 12.32 ; Waltham, 14.78 ; Pittsfield, 16.30 ; Brookline, —— ; Chicopee, 20.38 ; Medford, —— ; Northampton, 10.69 ; Beverly, 21.06 ; Clinton, 24.85 ; Newburyport, 17.94 ; Woburn, 3.64 ; Leominster, —— ; Hyde Park, 11.25 ; Marlborough, 15.28 ; Melrose, 27.38 ; Westfield, 11.96 ; Milford, —— ; Framingham, —— ; Revere, 8.75 ; Gardner, 31.54 ; Weymouth, 27.12 ; Southbridge, 23.97 ; Watertown, 9.81.

The total death rate for the week was 16.69, as compared with 15.96 and 16.38 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 19, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	87	Measles, ...	617
Diphtheria and croup, ...	97	Typhoid fever, ...	29
Small-pox, ...	26		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 19, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 13,	29.70	48	54	41	64	68		66	W.	W.	12	18		F.	C.			0.00
Monday, . . 14,	29.96	43	51	35	64	68		66	N.	N. W.	16	12		C.	O.			0.00
Tuesday, . . 15,	30.10	47	60	34	50	54		52	N. W.	W.	10	8		C.	C.			0.00
Wednesday, . 16,	30.06	50	59	41	48	50		49	S. W.	W.	9	6		F.	C.			0.00
Thursday, . . 17,	29.96	47	52	42	69	54		62	S. E.	S.	8	6		C.	C.			0.00
Friday, . . 18,	30.02	47	53	41	75	71		73	S.	W.	8	5		C.	O.			T
Saturday, . . 19,	30.08	50	61	40	60	67		64	S. W.	W.	10	3		C.	C.			0.00
Week, . . .	29.98		56	39				62										T

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 26, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 17.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 26, 1902.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	588,730	207	49	46	33	25	4	1	..
Worcester,	127,337	30	11	3	4	1	1	..	..
Fall River,	111,872	26	10	6	5	2	..	..	1
Lowell,	99,574	48	11	4	8	2	1	..	..
Cambridge,	96,334	27	6	4	3	3	1	..	..
Lynn,	71,144	30	11	4	2	1	..	..	1
Lawrence,	67,275	15	11	2	4	2	..	..	..
Springfield,	66,854	23	3	5	6	5	..	..	..
Somerville,	65,882	14	3	3	6	2	..	..	..
New Bedford,	65,574	29	8	3	6	3	..	..	..
Holyoke,	48,065	9	2	..	1	..	..	..	..
Brockton,	43,208	4	0	1	..	1	..	..	..
Haverhill,	40,392	12	3	4	2	3	1	..	..
Salem,	36,567	13	1	1	2	..	1	..	..
Newton,	36,336	9	1	3	..	3	..	..	..
Malden,	35,390	4	1	1	..	1	..	..	..
Chelsea,	35,264	15	4	3	..	1	..	..	..
Fitchburg,	33,848	10	4	4	..	2	..	..	..
Taunton,	32,759	11	1	1	1	1	..	..	..
Everett,	27,114	15	3	3	..	2	1	..	..
North Adams,	26,583	8	..	1	..	1	..	..	..
Gloucester,	26,121	6	1	..	..	..	..	..	..
Quincy,	25,307	11	3	2	2	1	1	..	..
Waltham,	24,612	2	..	..	..	..	..	..	..
Pittsfield,	22,311	3	..	..	..	..	..	..	..
Brookline,	21,679	2	..	..	..	..	..	..	..
Chicopee,	20,390	4	1	1	1	1	..	..	..
Medford,	20,014	6	1	3	..	3	..	..	..
Northampton,	19,460	..	..	..	..	..	..	..	..
Beverly,	14,814	6	1	..	1	..	..	..	..
Clinton,	14,645	1	0	..	..	..	..	..	..
Newburyport,	14,478	3	1	1	1	..	..	..	..
Woburn,	14,285	3	1	1	..	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	3	1	2	1	2	..	..	..
Marlborough,	13,609	3	2	1	..	..	1	..	..
Melrose,	13,384	4	2	..	..	..	..	..	..
Westfield,	13,038	5	..	2	..	1	..	..	1
Framingham,	12,109	7	..	1	2	1	..	..	..
Revere,	11,894	5	..	..	1	..	..	..	..
Gardner,	11,544	1	..	..	..	..	..	..	..
Weymouth	11,337	5	1	2	..	2	..	..	..
Southbridge,	10,838	3	2	..	2	..	..	..	..
Watertown,	10,600	4	1	1	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,096,969	646	161	119	95	73	12	1	3

Note.—* The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases: measles, 8; scarlet fever, 3; cerebro-spinal meningitis, 3; diphtheria and croup, 12; whooping-cough, 3; erysipelas, 4; typhoid fever, 1; puerperal fever, 2; diarrhœal diseases, 7; small-pox, 4.

No deaths were reported from malarial fever or influenza.

There were 73 deaths from consumption, acute lung diseases, 95, still-births, 48.

From measles: Boston, 3; Lynn, 2; Somerville, 1; and Chelsea, 2. From scarlet fever: Boston, 1; Fitchburg, 2 From cerebro-spinal meningitis: Fall River, Lynn and Westfield, 1 each. From diphtheria and croup: Boston, 4; Worcester, Lowell, Cambridge, Haverhill, Salem, Everett, Quincy and Marlborough, 1 each. From whooping-cough: Boston, 2; Worcester, 1; From erysipelas: Boston, 3; Lowell, 1. From typhoid fever: Boston, 1. From diarrhœal diseases: Boston, 2; Fall River, 3; New Bedford and Newburyport, 1 each. From small-pox: Boston, 3; Watertown, 1.

Deaths under five years of age numbered 161, as compared with 203 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 119 for the preceding week.

The death rates for the week were, Boston, 18.28; Worcester, 12.25; Fall River, 12.08; Lowell, 25.05; Cambridge, 14.97; Lynn, 21.85; Lawrence, 11.59; Springfield, 17.89; Somerville, 11.05; New Bedford, 23.00; Holyoke, 9.73; Brockton, 4.80; Haverhill, 15.40; Salem, 18.44; Newton, 12.87; Malden, 5.78; Chelsea, 22.06; Fitchburg, 15.39; Taunton, 17.44; Everett, 28.77; North Adams, 15.64; Gloucester, 11.94; Quincy, 22.59; Waltham, 4.22; Pittsfield, 7.19; Brookline, 4.78; Chicopee, 10.19; Medford, 15.60; Northampton, ——; Beverly, 21.06; Clinton, 3.55; Newburyport, 11.76; Woburn, 10.92; Leominster, ——; Hyde Park, 11.25; Marlborough, 11.46; Melrose, 15.53; Westfield, 19.94; Milford, ——; Framingham, 30.03; Revere, 21.85; Gardner, 4.50; Weymouth, 22.62; Southbridge, 14.38; Watertown, 19.62.

The total death rate for the week was 16.00, as compared with 16.69 and 15.96 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 26, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	135	Measles,	638
Diphtheria and croup,	146	Typhoid fever,	28
Small-pox,	100		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 26, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 20,	30.06	51	60	42	85	78	82	S.	S.	10	13	F.	O.			T
Monday, . . 21,	30.04	56	65	48	75	72	74	S. W.	S.	10	10	O.	O.			0.01
Tuesday, . . 22,	29.98	50	58	42	73	93	83	W.	N. E.	6	11	O.	O.			0.00
Wednesday, . 23,	29.84	56	71	41	93	64	78	S. E.	S. W.	3	21	C.	C.			0.00
Thursday, . . 24,	30.05	56	66	46	67	53	60	W.	W.	20	10	C.	C.			0.00
Friday, . . 25,	30.24	52	61	42	61	60	60	N. W.	S.	12	12	R.	O.			0.00
Saturday, . . 26,	29.80	56	67	45	96	79	88	S. E.	S. W.	8	29	C.	C.			0.36
Week, . . .	30.00		64	44			75									0.37

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 3, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 18.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week Ending May 3, 1902.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	588,730	225	70	54	29	26	7	1	1
Worcester,	127,337	30	11	4	4	3	..	..	..
Fall River,	111,872	37	16	9	8	4	1	1	..
Lowell,	99,574	42	..	8	6	3	4	..	..
Cambridge,	96,334	24	7	6	4	3	3	..	..
Lynn,	71,144	21	7	3	3	2	..	..	1
Lawrence,	67,275	24	7	6	3	2	1	..	..
Springfield,	66,854	12	5	..	2	..	..	..	..
Somerville,	65,882	13	3	4	6	3	..	..	1
New Bedford,	65,574	35	10	6	6	4	1	1	..
Holyoke,	48,065	13	4	4	..	4	..	..	..
Brockton,	43,208	10	1	3	..	2	..	..	..
Haverhill,	40,392	9	..	2	1	2	..	..	..
Salem,	36,567	5	2	..	..	..	..	..	..
Newton,	36,336	9	1	..	2	..	..	..	..
Malden,	35,390	12	4	2	2	1	1	..	..
Chelsea,	35,264	15	3	1	..	1	..	..	..
Fitchburg,	33,848	10	1	3	1	3	..	..	..
Taunton,	32,759	12	2	1	2	1	..	..	..
Everett,	27,114	7	2	..	..	..	..	..	..
North Adams,	26,583	10	4	1	1	..	..	..	1
Gloucester,	26,121	5	..	..	1	..	..	..	..
Quincy,	25,307	3	..	1	1	1	..	..	..
Waltham,	24,612	2	..	..	..	..	..	..	..
Pittsfield,	22,311	3	3	..	3	..	..	..	..
Brookline,	21,679	5	..	2	..	1	..	..	..
Chicopee,	20,390	9	3	3	1	1	1	..	..
Medford,	20,014	5	2	..	1	..	..	..	..
Northampton,	19,460	6	1	..	..	..	..	..	..
Beverly,	14,814	3	..	1	1	1	..	..	..
Clinton,	14,645	2	2	..	1	..	..	..	..
Newburyport,	14,478	7	1	2	1	..	2	..	..
Woburn,	14,285	9	1	3	..	2	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	3	1	1	1	1	..	..	..
Marlborough,	13,609	5	0	2	1	1	1	..	..
Melrose,	13,384	3	0	1	1	1	..	..	..
Westfield,	13,038	4	1	1	1	1	..	..	..
Framingham,	12,109	1	..	..	..	..	..	..	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	2	2	2	..	1	..	..	1
Weymouth	11,337	4	2	1	..	1	..	..	..
Southbridge,	10,838	5	3	2	1	..	..	..	1
Watertown,	10,600	4	2	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,104,535	665	184	139	96	76	22	3	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and thirty-nine deaths were reported from the principal infectious diseases : measles, 4 ; scarlet fever, 5 ; cerebro-spinal meningitis, 6 ; diphtheria and croup, 22 ; whooping-cough, 1 ; erysipelas, 3 ; typhoid fever, 3 ; diarrhœal diseases, 14 ; small-pox, 5.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 76 deaths from consumption, acute lung diseases, 96, still-births, 37.

From measles : Boston, 4. From scarlet fever : Boston, Fall River, Lowell, Brockton and Chicopee, 1 each. From cerebro-spinal meningitis: Boston, Lynn, Somerville, North Adams, Gardner and Southbridge, 1 each. From diphtheria and croup: Boston, 7 ; Lowell, 4 ; Cambridge, 3 ; Newburyport, 2 ; Fall River, Lawrence, New Bedford, Malden, Chicopee and Marlborough, 1 each. From whooping-cough : Boston, 1. From erysipelas : Boston, 3. From small-pox : Boston, 4 ; Brookline, 1.

Deaths under five years of age numbered 184, as compared with 161 for the preceding week.

Deaths from the principal infectious diseases numbered 139, as compared with 119 for the preceding week.

The death rates for the week were, Boston, 19.86 ; Worcester, 12.25 ; Fall River, 17.20 ; Lowell, 21.92 ; Cambridge, 12.95 ; Lynn, 15.30 ; Lawrence, 18.54 ; Springfield, 9.33 ; Somerville, 10.26 ; New Bedford, 27.75 ; Holyoke, 14.05 ; Brockton, 12.00 ; Haverhill, 11.55 ; Salem, 7.09 ; Newton, 12.87 ; Malden, 17.35 ; Chelsea, 22.06 ; Fitchburg, 15.39 ; Taunton, 19.03 ; Everett, 13.42 ; North Adams, 19.55 ; Gloucester, 13.95 ; Quincy, 6.16 ; Waltham, 4.22 ; Pittsfield, 6.99 ; Brookline, 11.96 ; Chicopee, 22.93 ; Medford, 13.00 ; Northampton, 16.03 ; Beverly, 10.53 ; Clinton, 7.10 ; Newburyport, 25.11 ; Woburn, 32.76 ; Leominster, —— ; Hyde Park, 11.25 ; Marlborough, 19.10 ; Melrose, 11.64 ; Westfield, 15.95 ; Attleborough, —— ; Framingham, 4.29 ; Revere, —— ; Gardner, 9.00 ; Weymouth, 18.09 ; Southbridge, 23.97 ; Watertown, 19.62.

The total death rate for the week was 16.43, as compared with 16.00 and 16.69 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 3, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	104	Measles,	686
Diphtheria and croup,	136	Typhoid fever,	31
Small-pox,	42		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 3, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, April 27,	29.75	54	61	47	39	58	48	S. W.	W.	24	15		C.	F.			0.00
Monday, 28,	30.12	58	71	46	50	43	46	W.	S. W.	12	3		C.	C.			0.00
Tuesday, 29,	30.24	64	75	53	43	50	46	N.	S.	3	12		C.	F.			0.00
Wednesday, 30,	30.07	54	58	50	97	91	94	S.	S.	20	3		R.	O.			0.75
Thursday, May 1,	30.00	57	64	50	70	65	68	W.	N. W.	13	15		O.	F.			0.27
Friday, 2,	30.12	58	69	48	56	59	58	N.	S.	12	12		C.	O.			0.00
Saturday, 3,	30.13	48	50	46	96	83	90	S. E.	N. E.	4	10		R.	C.			T
Week,	30.04		64	49			64										1.02

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 10, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 19.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 10, 1902.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	588,730	206	49	49	37	30	2	4	..
Worcester,	127,337	33	10	3	8	1	..	..	1
Fall River,	111,872	35	18	5	6	1	1	..	..
Lowell,	99,574	30	9	1	6	1	..	..	..
Cambridge,	96,334	19	6	6	2	5	1	..	..
Lynn,	71,144	22	3	5	3	2	2	..	1
Lawrence,	67,275	21	10	6	3	3	1	1	..
Springfield,	66,854	39	9	8	4	1	2	..	..
Somerville,	65,882	19	2	3	3	2	..	..	1
New Bedford,	65,574	29	12	4	4	2	..	1	1
Holyoke,	48,065	14	5	1	1	1	..	..	..
Brockton,	43,208	12	0	4	..	4	..	..	..
Haverhill,	40,392	17	12	6	4	2	1	..	..
Salem,	36,567	14	2	2	3	..	1	1	..
Newton,	36,336	14	1	2	..	2	..	..	..
Malden,	35,390	7	..	2	1	2	..	..	..
Chelsea,	35,264	13	3	2	..	..	1	1	..
Fitchburg,	33,848	..	..	..	..	..	..	..	..
Taunton,	32,759	8	1	3	2	2	1	..	..
Everett,	27,114	5	..	..	..	..	..	..	..
North Adams,	26,583	5	..	1	2	1	..	..	..
Gloucester,	26,121	5	2	1	..	..	..	..	..
Quincy,	25,307	7	1	4	..	1	..	..	1
Waltham,	24,612	8	1	1	..	..	..	1	..
Pittsfield,	22,311	8	..	2	2	2	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	8	4	..	3	..	..	..	..
Medford,	20,014	5	2	1	1	1	..	..	..
Northampton,	19,460	10	0	2	..	2	..	..	..
Beverly,	14,814	6	..	1	..	1	..	..	..
Clinton,	14,645	3	1	1	..	1	..	..	..
Newburyport,	14,478	4	2	..	1	..	..	..	..
Woburn,	14,285	4	2	1	..	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	6	3	2	2	..	..	..	..
Marlborough,	13,609	5	1	1	1	..	1	..	..
Melrose,	13,384	2	1	1	..	..	..	..	1
Westfield,	13,038	3	1	..	1	..	..	..	..
Framingham,	12,109	3	..	..	..	..	..	..	..
Revere,	11,894	4	..	..	..	..	..	..	..
Gardner,	11,544	3	..	1	1	1	..	..	..
Weymouth	11,337	2	0	..	..	..	..	..	..
Southbridge,	10,838	3	2	..	2	..	..	..	..
Watertown,	10,600	0	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,060,902	661	175	132	103	72	14	9	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and thirty-two deaths were reported from the principal infectious diseases : measles, 4 ; scarlet fever, 6 ; cerebro-spinal meningitis, 6 ; diphtheria and croup, 14 ; whooping-cough, 1 ; erysipelas, 3 ; typhoid fever, 9 ; diarrhœal diseases, 11 ; small-pox, 6 ; influenza, 2.

No deaths were reported from puerperal fever or malarial fever.

There were 72 deaths from consumption, acute lung diseases, 103, still-births, 38.

From measles : Boston, 1 ; Haverhill, 3. From scarlet fever : Boston, 1 ; Worcester, 1 ; Lawrence, 1 ; Springfield, 3. From cerebro-spinal meningitis: Worcester, Lynn, New Bedford, Somerville, Quincy and Melrose, 1 each. From diphtheria and croup: Boston, Lynn and Springfield, 2 each ; Fall River, Cambridge, Lawrence, Haverhill, Salem, Chelsea, Taunton and Marlborough, 1 each. From whooping-cough : Gloucester, 1. From erysipelas : Boston, 2 ; Quincy, 1. From typhoid fever : Boston, 4 ; Lawrence, New Bedford, Salem, Chelsea and Waltham, 1 each. From diarrhœal diseases : Boston and Fall River, 3 each ; Springfield and Hyde Park, 2 each ; Quincy, 1. From small-pox : Boston, 6. From influenza : Framingham, 2.

Deaths under five years of age numbered 175, as compared with 184 for the preceding week.

Deaths from the principal infectious diseases numbered 132, as compared with 139 for the preceding week.

The death rates for the week were, Boston, 18.19 ; Worcester, 13.47 ; Fall River, 16.27 ; Lowell, 15.66 ; Cambridge, 10.25 ; Lynn, 16.03 ; Lawrence, 16.22 ; Springfield, 30.33 ; Somerville, 15.00 ; New Bedford, 23.00 ; Holyoke, 15.13 ; Brockton, 14.40 ; Haverhill, 21.83 ; Salem, 19.84 ; Newton, 20.00 ; Malden, 10.12 ; Chelsea, 19.12 ; Fitchburg, —— ; Taunton, 12.69 ; Everett, 9.59 ; North Adams, 9.77 ; Gloucester, 9.95 ; Quincy, 14.38 ; Waltham, 16.89 ; Pittsfield, 18.63 ; Brookline, —— : Chicopee, 20.38 ; Medford, 13.00 ; Northampton, 26.72 ; Beverly, 21.06 ; Clinton, 10.65 ; Newburyport, 14.35 ; Woburn, 14.56 ; Leominster, —— ; Hyde Park, 22.49 ; Marlborough, 19.10 ; Melrose, 7.76 ; Westfield, 11.96 ; Milford, —— ; Framingham, 12.87 ; Revere, 17.48 ; Gardner, 13.50 ; Weymouth, 9.04 ; Southbridge, 14.37 ; Watertown, ——.

The total death rate for the week was 16.67, as compared with 16.43 and 16.00 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 10, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	75	Measles, ...	600
Diphtheria and croup, ...	148	Typhoid fever, ...	33
		Small-pox, ...	69

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 10, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 4,	30.20	48	52	44	75	90	82	N. E.	S. E.	12	7	F.	R.		T
Monday, . . 5,	29.98	58	69	47	91	72	82	S. W.	N.	15	7	O.	C.		0.14
Tuesday, . . 6,	30.14	56	63	49	59	50	54	N.	S.	7	15	C.	O.		0.00
Wednesday, . 7,	29.79	61	73	49	88	52	70	S.	N. W.	12	15	O.	O.		0.05
[illegible]hursday, . . 8,	29.84	62	72	53	56	46	51	N. W.	W.	13	8	C.	C.		0.00
[illegible]day, . . 9,	29.70	52	65	40	58	49	54	W.	N. W.	21	22	C.	C.		T
[illegible]urday, . . 10,	30.05	42	51	34	54	42	48	W.	N. W.	24	14	C.	C.		T
Week, . . .	29.96		64	45			63								0.00
															0.19

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	465	88	553	Canned Goods,	..	..	..
Butter,	13	4	17	Honey,	3	..	3
Cheese,	3	..	3	Tea,	3	..	3
Lard,	..	..	..	Coffee,	8	..	8
Olive Oil,	..	..	..	Cocoa and Chocolate,	1	..	1
Vinegar,	20	48	68	Confectionery,	..	..	..
Spices,	72	9	81	Vanilla Extract,	1	4	5
Cream of Tartar,	21	..	21	Lemon Extract,	1	1	2
Molasses,	28	1	29	Miscellaneous,	1	..	1
Syrups,	..	..	..	Drugs,	48	45	93
Maple Sugar,	..	..	..				
Maple Syrup,	3	1	4				
				Totals,	691	201	892

Percentage of adulteration, 22.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 15.9 per cent., while the percentage of articles of food was 27.6 per cent.

Nine complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs, as shown in the "Record of prosecutions" accompanying. A sample of "Champagne Tablets" was found to contain sugar, starch and caffeine.

was found to contain sugar, starch and caffeine.

The samples of drugs found to be adulterated were Acidum Tannicum, Capsicum, Cera Alba, Cera Flava Glycerinum, Oleum Caryophyeli, Oleum Limonis, Oleum Oliviæ, Sodii Phosphas, Spiritus Frumenti, Sulphur Lotum Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Revere, Malden, Everett, Chelsea Stoneham, Cambridge, Somerville, Woburn, Haverhill, Fitchburg, Newburyport, Lowell, New Bedford, Worcester Clinton, Watertown, Springfield, Waltham, Northampton, Marlborough, Hudson, Brockton, Gloucester, Chicopee Leominster, Melrose, Framingham, Plymouth, Natick, Amherst, Milton, Braintree, Quincy, Boylston, Stoughton Winthrop, Hyde Park, Taunton and Lawrence.

RECORD OF PROSECUTIONS IN APRIL.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	April 1,	Joseph Menard,	Marlboro',	Milk,	Conviction.
2	April 1,	Charles E. Nichols,	Marlboro',	Milk,	Conviction.
3	April 17,	John A. Redman,	Lowell,	Milk,	Conviction.
4	April 17,	A. J. Contu,	Lowell,	Milk,	Conviction.
5	April 17,	Moses G. Mager,	Lowell,	Milk,	Conviction.
6	April 17,	Alvah D. Boynton,	Lowell,	Milk,	Conviction.
7	April 17,	Henry J. Arsenault,	Lowell.	Milk,	Conviction.
8	April 26,	George H. Prouty,	Clinton,	Milk,	Conviction.
9	April 3,	Harry A. Gay,	Fitchburg,	Butter,	Conviction.

Notes on the Foregoing Cases.

Amount of fines paid $245.00.

The total solids in the samples of milk upon which the foregoing cases were entered, were as follows:— 11.35 — 10.42 — 10.09 — 10.91 — 11.15 — 11.44 — 11.66 and 8.88.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 17, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 20.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 17, 1902.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	588,730	204	58	43	43	23	2	1	1
Worcester,	127,337	29	..	3	2		..	..	1
Fall River,	111,872	31	11	9	3	6	..	..	..
Lowell,	99,574	23	4	1	3	..	1	..	..
Cambridge,	96,334	24	8	6	3	4	1	..	..
Lynn,	71,144	22	..	4	3	1	2	..	..
Lawrence,	67,275	12	2	1	2	1	..	..	..
Springfield,	66,854	14	1	2	2	2	..	..	..
Somerville,	65,882	9	4	1	2	..	..	..	..
New Bedford,	65,574	23	7	5	4	3	1	1	..
Holyoke,	48,065	14	5	3	1	1	2	..	..
Brockton,	43,208	9	0	1	..	1	..	..	..
Haverhill,	40,392	14	3	5	2	1	..	1	..
Salem,	36,567	10	..	..	3	..	..	..	..
Newton,	36,336	9	3	2	1	2	..	..	..
Malden,	35,390	14	2	2	..	1	1	..	..
Chelsea,	35,264	13	..	..	..	..	..	..	..
Fitchburg,	33,848	9	1	2	..	2	..	..	..
Taunton,	32,759	11	1	2	2	1	..	..	..
Everett,	27,114	6	1	2	..	1	..	..	..
North Adams,	26,583	4	2	..	1	..	..	..	..
Gloucester,	26,121	12	1	2	2	2	..	..	..
Quincy,	25,307	7	3	1	1	..	..	..	..
Waltham,	24,612	10	2	1	1	..	..	..	..
Pittsfield,	22,311	5	..	1	4	1	..	..	..
Brookline,	21,679	5	..	1	..	1	..	..	..
Chicopee,	20,390	12	10	..	1	..	..	..	..
Medford,	20,014	7	3	3	1	3	..	..	..
Northampton,	19,460	7	1	2	..	2	..	..	..
Beverly,	14,814	2	..	1	..	1	..	..	..
Clinton,	14,645	6	2	..	1	..	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,285	8	..	1	..	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	4	..	1	1	..	..	1	..
Marlborough,	13,609	7	2	4	..	..	3	..	1
Melrose,	13,384	6	0	2	1	2	..	..	..
Westfield,	13,038	3	..	..	..	..	..	..	..
Framingham,	12,109	5	..	1	..	1	..	..	..
Revere,	11,894	4	2	..	2	..	..	..	..
Gardner,	11,544	3	..	1	..	..	..	1	..
Weymouth	11,337	3	0	..	..	..	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..
Watertown,	10,600	2	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,091,113	622	140	116	92	66	13	5	3

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and sixteen deaths were reported from the principal infectious diseases: measles, 7; scarlet fever, 2; cerebro-spinal meningitis, 3; diphtheria and croup, 13; whooping-cough, 1; erysipelas, 2; typhoid fever, 5; diarrhœal diseases, 9; small-pox, 8; influenza, 1.

No deaths were reported from puerperal fever or malarial fever.

There were 66 deaths from consumption, acute lung diseases, 92, still-births, 36.

From measles: Boston, 2; Cambridge and Lynn, 1 each; Haverhill, 3. From scarlet fever: Boston and Waltham, 1 each. From whooping-cough: Boston, 1. From erysipelas: Boston, 2. From typhoid fever: Boston, New Bedford, Haverhill, Hyde Park and Gardner, 1 each. From small-pox: Boston, 6; Somerville and Everett, 1 each. From influenza: Framingham, 1.

Deaths under five years of age numbered 140, as compared with 175 for the preceding week.

Deaths from the principal infectious diseases numbered 116, as compared with 132 for the preceding week.

The death rates for the week were, Boston, 18.00; Worcester, 11.84; Fall River, 14.41; Lowell, 12.00; Cambridge, 12.95; Lynn, 16.03; Lawrence, 9.27; Springfield, 10.89; Somerville, 7.10; New Bedford, 18.24; Holyoke, 15.13; Brockton, 10.80; Haverhill, 17.97; Salem, 14.20; Newton, 12.87; Malden, 20.24; Chelsea, 19.12; Fitchburg, 13.85; Taunton, 17.45; Everett, 11.51; North Adams, 7.82; Gloucester, 23.89; Quincy, 14.37; Waltham, 21.11; Pittsfield, 11.64; Brookline, 11.96; Chicopee, 30.57; Medford, 18.20; Northampton, 18.70; Beverly, 7.02; Clinton, 21.30; Newburyport, ——; Woburn, 29.12; Leominster, ——; Hyde Park, 15.00; Marlborough, 26.74; Melrose, 23.30; Westfield, 11.96; Weymouth, 13.56; Framingham, 21.45; Gardner, 13.50; Revere, 17.49; Southbridge, ——; Watertown, 9.80.

The total death rate for the week was 15.46, as compared with 16.67 and 16.43 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 17, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	115	Measles, ...	593
Diphtheria and croup, ...	108	Typhoid fever, ...	31
Small-pox, ...	71		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 17, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 11,	30.20	48	58	39	49	61		55	N. W.	S. E.	12	8		C.	C.			0.00
Monday, . . 12,	30.19	53	62	44	66	59		62	E.	S. W.	7	16		O.	O.			0.00
Tuesday, . . 13,	29.96	56	67	46	87	35		61	W.	N.	8	12		O.	C.			T
Wednesday, . 14,	30.02	53	65	41	45	60		52	W.	S. W.	14	6		F.	O.			0.00
Thursday, . . 15,	30.15	52	56	48	62	59		60	N. E.	S.	9	10		O.	C.			0.00
Friday, . . 16,	30.04	59	72	46	55	34		44	S. W.	W.	10	6		O.	O.			0.00
Saturday, . . 17,	29.92	60	70	51	45	77		61	N. W.	E.	5	6		C.	C.			0.00
Week, . . .	30.07		64	45				56										0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 24, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 21.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 24, 1902.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	588,730	221	51	55	34	31	3	..	2
Worcester,	127,337	45	16	5	4	2	..	..	2
Fall River,	111,872	33	15	8	1	6	1	..	..
Lowell,	99,574	54	13	6	14	4	..	2	..
Cambridge,	96,334	21	3	8	2	7	1	..	..
Lynn,	71,144	23	..	4	2	2	1	..	1
Lawrence,	67,275	28	15	4	9	2	..	..	..
Springfield,	66,854	27	4	3	3	1	..	..	..
Somerville,	65,882	8	2	1	1	..	1	..	..
New Bedford,	65,574	23	9	3	4	3	..	..	..
Holyoke,	48,065	12	4	..	3	..	..	..	..
Brockton,	43,208	6	1	..	..	..	..	..	..
Haverhill,	40,392	11	2	3	2	..	..	..	..
Salem,	36,567	10	1	..	1	..	..	..	..
Newton,	36,336	7	2	1	..	..	1	..	..
Malden,	35,390	11	6	2	5	1	1	..	..
Chelsea,	35,264	8	..	..	..	..	..	..	..
Fitchburg,	33,848	7	2	..	1	..	..	..	..
Taunton,	32,759	8	3	..	1	..	..	..	..
Everett,	27,114	4	2	1	..	1	..	..	..
North Adams,	26,583	6	..	1	3	..	..	1	..
Gloucester,	26,121	6	2	..	..	..	..	..	..
Quincy,	25,307	5	2	..	1	..	..	..	..
Waltham,	24,612	6	1	..	1	..	..	..	..
Pittsfield,	22,311	9	..	2	3	2	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	9	5	..	..	..	..	..	..
Medford,	20,014	4	..	..	1	..	..	..	..
Northampton,	19,460	2	0	1	..	1	..	..	..
Beverly,	14,814	..	..	..	..	..	..	..	..
Clinton,	14,645	4	1	..	1	..	..	..	..
Newburyport,	14,478	6	0	1	..	1	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	5	2	4	..	2	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Melrose,	13,384	3	1	2	..	1	..	..	..
Westfield,	13,038	6	3	1	1	1	..	..	..
Framingham,	12,109	7	..	..	1	..	..	..	..
Revere,	11,894	2	..	1	1	1	..	..	..
Gardner,	11,544	4	..	..	1	..	..	..	..
Weymouth,	11,337	4	1	..	..	..	..	..	..
Southbridge,	10,838	4	..	1	..	..	..	..	1
Watertown,	10,600	3	..	..	2	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,052,042	662	169	118	103	69	9	3	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and eighteen deaths were reported from the principal infectious diseases: measles, 7; scarlet fever, 2; cerebro-spinal meningitis, 6; diphtheria and croup, 9; whooping-cough, 5; erysipelas, 2; typhoid fever, 3; diarrhœal diseases, 8; small-pox, 7.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 69 deaths from consumption, acute lung diseases, 103, still-births, 41.

From measles: Boston, 3; Lawrence, 1; Haverhill, 3. From scarlet fever: Boston, 1; Springfield, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, 2; Lynn, 1; Southbridge, 1. From diphtheria and croup: Boston, 3; Fall River, Cambridge, Lynn, Somerville, Malden and Newton, 1 each. From whooping-cough: Boston, 2; Lawrence, Springfield and Hyde Park, 1 each. From erysipelas: Boston, 2. From small-pox: Boston, 6; Melrose, 1.

Deaths under five years of age numbered 169, as compared with 140 for the preceding week.

Deaths from the principal infectious diseases numbered 118, as compared with 116 for the preceding week.

The death rates for the week were, Boston, 19.51; Worcester, 18.37; Fall River, 15.34; Lowell, 28.18; Cambridge, 11.33; Lynn, 16.75; Lawrence, 21.63; Springfield, 21.00; Somerville, 6.31; New Bedford, 18.24; Holyoke, 12.97; Brockton, 7.20; Haverhill, 14.12; Salem, 14.19; Newton, 10.00; Malden, 15.90; Chelsea, 11.77; Fitchburg, 10.77; Taunton, 12.69; Everett, 7.67; North Adams, 11.73; Gloucester, 11.95; Quincy, 10.27; Waltham, 12.67; Pittsfield, 20.96; Brookline, ——; Chicopee, 22.93; Medford, 10.43; Northampton, 5.34; Beverly, ——; Clinton, 14.20; Newburyport, 21.52; Woburn, ——; Leominster, ——; Hyde Park, 18.75; Marlborough, ——; Melrose, 11.65; Westfield, 23.93; Milford, ——; Framingham, 30.03; Revere, 8.74; Gardner, 18.02; Weymouth, 18.09; Southbridge, 19.17; Watertown, 14.71.

The total death rate for the week was 16.77, as compared with 15.46 and 16.67 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 24, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	92	Measles,	607
Diphtheria and croup,	132	Typhoid fever,	31
Small-pox,	48		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 24, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 18,	29.98	64	78	49	59	50	54	W.	S. W.	5	7		C.	C.			0.00
Monday, 19,	29.96	56	60	51	74	100	87	E.	N. E.	8	5		O.	R.			0.38
Tuesday, 20,	30.04	52	57	48	76	75	76	N. E.	E.	11	3		O.	C.			0.04
Wednesday, 21,	30.28	60	72	47	50	56	53	N. E.	S. W.	4	15		C.	F.			0.00
Thursday, 22,	30.06	65	80	50	65	60	62	W.	S. W.	12	21		F.	C.			0.00
Friday, 23,	29.82	73	88	58	70	64	67	S. W.	S. W.	14	16		F.	O.			0.00
Saturday, 24,	29.76	76	84	68	76	68	72	W.	S. W.	10	15		R.	O.			T
Week,	28.98		74	53			67										0.42

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 31, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 22.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 31, 1902.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Measles.	Cerebro-spinal Meningitis.
Boston,	588,730	203	48	48	31	24	3	1	4
Worcester,	127,337	40	12	6	5	2	..	..	1
Fall River,	111,872	26	18	5	4	2	..	..	..
Lowell,	99,574	33	8	6	6	2	..	..	..
Cambridge,	96,334	19	6	4	2	2	1	..	..
Lynn,	71,144	22	5	1	3	..	..	1	..
Lawrence,	67,275	16	10	6	4	3	1	..	..
Springfield,	66,854	22	8	3	3	2	..	..	..
Somerville,	65,882	16	2	3	..	2	..	1	..
New Bedford,	65,574	21	5	2	..	2	..	..	..
Holyoke,	48,065	13	6	..	..	..	..	..	..
Brockton,	43,208	9	3	3	1	1	..	..	2
Haverhill,	40,392	15	9	5	3	..	..	5	..
Salem,	36,567	14	5	2	..	2	..	..	..
Newton,	36,336	3	1	1	..	..	..	..	..
Malden,	35,390	7	1	2	1	1	1	..	..
Chelsea,	35,264	15	4	..	4	..	..	..	..
Fitchburg,	33,848	7	3	1	..	1	..	..	..
Taunton,	32,759	6	0	1	..	1	..	..	..
Everett,	27,114	3	2	..	..	..	..	..	..
North Adams,	26,583	8	3	2	2	2	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	6	..	2	1	1	..	..	1
Waltham,	24,612	9	1	..	..	..	..	..	..
Pittsfield,	22,311	4	..	..	1	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	8	6	3	1	..	..	1	..
Medford,	20,014	3	..	1	..	1	..	..	..
Northampton,	19,460	3	1	..	..	..	..	..	..
Beverly,	14,814	6	1	1	1	1	..	..	..
Clinton,	14,645	2	0	..	2	..	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	4	0	..	..	..	..	..	..
Marlborough,	13,609	1	1	..	..	..	..	..	..
Melrose,	13,384	2	0	1	1	1	..	..	..
Westfield,	13,038	7	2	2	1	..	2	..	..
Framingham,	12,109	1	..	1	..	..	1	..	..
Revere,	11,894	5	1	2	2	..	..	1	..
Gardner,	11,544	2	1	..	..	..	..	..	..
Weymouth,	11,337	0	0	..	..	..	..	..	..
Southbridge,	10,838	2	1	1	..	..	..	..	..
Watertown,	10,600	3	1	1	..	..	..	1	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Measles.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,039,866	586	175	116	79	53	9	11	8

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and sixteen deaths were reported from the principal infectious diseases: measles, 11; scarlet fever, 5; cerebro-spinal meningitis, 8; diphtheria and croup, 9; whooping-cough, 5; erysipelas, 3; typhoid fever, 3; diarrhœal diseases, 14; puerperal fever, 2; small-pox, 3.

No deaths were reported from malarial fever or influenza.

There were 53 deaths from consumption, acute lung diseases, 79, still-births, 53.

From measles: Boston, Lynn, Somerville, Chicopee, Revere and Southbridge, 1 each, Haverhill, 5. From scarlet fever: Worcester, 2; Boston, Newton and Revere, 1 each. From whooping-cough: Boston, 2; Worcester, Cambridge and Lawrence, 1 each. From erysipelas: Boston, 2; Lowell, 1. From typhoid fever: Lowell, Lawrence and Chicopee, 1 each. From small-pox: Boston, 3.

Deaths under five years of age numbered 175, as compared with 169 for the preceding week.

Deaths from the principal infectious diseases numbered 116, as compared with 118 for the preceding week.

The death rates for the week were, Boston, 17.92; Worcester, 16.33; Fall River, 12.08; Lowell, 17.22; Cambridge, 10.25; Lynn, 16.02; Lawrence, 12.36; Springfield, 17.11; Somerville, 12.63; New Bedford, 16.65; Holyoke, 14.05; Brockton, 10.80; Haverhill, 19.26; Salem, 19.86; Newton, 4.29; Malden, 10.12; Chelsea, 22.06; Fitchburg, 10.77; Taunton, 9.51; Everett, 5.75; North Adams, 15.64; Gloucester, ——; Quincy, 12.32; Waltham, 19.00; Pittsfield, 9.32; Brookline, ——; Chicopee, 20.38; Medford, 7.80; Northampton, 8.02; Beverly, 21.06; Clinton, 7.10; Newburyport, ——; Woburn, ——; Leominster, ——; Hyde Park, 15.00; Marlborough, 3.82; Melrose, 7.77; Westfield, 27.92; Weymouth, ——; Framingham, 4.52; Gardner, 9.01; Revere, 21.86; Southbridge, 9.59; Watertown, 14.71.

The total death rate for the week was 14.93, as compared with 16.77 and 15.46 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 31, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	96	Measles,	585
Diphtheria and croup,	107	Typhoid fever,	28
Small-pox,	59		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 24, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 25,	29.84	68	76	61	77	88	82	W.	S.	9	8		O.	O.			T
Monday, 26,	29.70	70	80	60	90	75	82	S. W.	W.	20	6		O.	O.			0.03
Tuesday, 27,	29.56	63	71	55	84	94	89	S.	W.	5	12		O.	R.			0.11
Wednesday, 28,	29.66	50	57	43	82	66	74	S. W.	W.	15	20		O.	C.			0.05
Thursday, 29,	29.95	51	63	39	73	41	57	W.	W.	12	9		C.	C.			0.00
Friday, 30,	30.02	61	69	53	80	57	68	S. W.	W.	30	10		O.	C.			T
Saturday, 31,	30.46	58	65	50	76	65	70	E.	S. W.	8	17		C.	C.			0.00
Week,	29.88		69	52			75										0.19

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 7, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 23.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary*.

MORTALITY OF MASSACHUSETTS

For the Week ending June 7, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Measles.	Cerebro-spinal Meningitis.
Boston,	588,730	202	56	57	21	32	5	3	2
Worcester,	127,337	34	16	7	7	1	1	..	1
Fall River,	111,872	..	..	..	..	..	..	..	..
Lowell,	99,574	45	7	7	..	5	1	..	..
Cambridge,	96,334	19	8	3	1	1	..	..	1
Lynn,	71,144	15	4	1	4	..	..	..	1
Lawrence,	67,275	26	7	8	5	4	..	1	..
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	20	6	8	3	3	..	..	3
New Bedford,	65,574	18	7	3	6	3	..	..	..
Holyoke,	48,065	13	5	..	..	..	..	..	..
Brockton,	43,208	8	2	..	..	..	..	..	..
Haverhill,	40,392	15	4	3	1	..	..	3	..
Salem,	36,567	9	..	1	..	1	..	..	..
Newton,	36,336	7	2	..	..	..	..	..	..
Malden,	35,390	10	4	1	..	..	..	..	..
Chelsea,	35,264	12	1	1	2	..	..	..	..
Fitchburg,	33,848	7	4	1	1	..	1	..	..
Taunton,	32,759	8	0	3	..	3	..	..	..
Everett,	27,114	8	..	..	..	..	..	..	..
North Adams,	26,583	7	1	2	1	2	..	..	..
Gloucester,	26,121	5	2	1	..	1	..	..	..
Quincy,	25,307	9	..	3	1	3	..	..	..
Waltham,	24,612	7	1	..	1	..	..	..	..
Pittsfield,	22,311	3	1	..	1	..	..	..	..
Brookline,	21,679	4	..	..	..	..	..	..	..
Chicopee,	20,390	2	1	1	..	..	..	..	..
Medford,	20,014	6	..	1	..	1	..	..	..
Northampton,	19,460	3	0	1	..	..	..	..	1
Beverly,	14,814	3	..	..	..	..	..	..	..
Clinton,	14,645	3	3	..	3	..	..	..	..
Newburyport,	14,478	6	0	2	1	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	1	1	..	..	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Melrose,	13,384	4	..	..	..	..	..	..	..
Westfield,	13,038	3	1	1	1	..	..	..	..
Framingham,	12,109	5	..	..	..	..	..	..	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	3	2	..	1	..	..	..	..
Weymouth,	11,337	..	..	..	..	..	..	..	..
Southbridge,	10,838	5	..	2	3	2	..	..	..
Watertown,	10,600	0	0	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Measles.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	1,886,578	555	146	118	64	62	8	7	9

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and eighteen deaths were reported from the principal infectious diseases: measles, 7; scarlet fever, 5; cerebro-spinal meningitis, 9; diphtheria and croup, 8; whooping-cough, 5; erysipelas, 4; typhoid fever, 3; puerperal fever, 1; diarrhœal diseases, 6; small-pox, 8.

No deaths were reported from malarial fever or influenza.

There were 62 deaths from consumption, acute lung diseases, 64, still-births, 33.

From measles: Boston, 3; Lawrence, 1; Haverhill, 3. From scarlet fever: Boston, 2; Worcester, Chelsea and Westfield, 1 each. From whooping-cough: Worcester, 2; Boston, Lawrence and Somerville, 1 each. From erysipelas: Boston, 2; Lowell and Somerville, 1 each. From small-pox: Boston, 5; Cambridge, Lawrence and Malden, 1 each.

Deaths under five years of age numbered 146, as compared with 175 for the preceding week.

Deaths from the principal infectious diseases numbered 118, as compared with 116 for the preceding week.

The death rates for the week were, Boston, 17.83; Worcester, 13.88; Fall River, ——; Lowell, 23.49; Cambridge, 10.25; Lynn, 10.93; Lawrence, 20.08; Springfield, ——; Somerville, 15.78; New Bedford, 14.27; Holyoke, 14.05; Brockton, 9.60; Haverhill, 19.26; Salem, 12.77; Newton, 10.02; Malden, 14.46; Chelsea, 17.65; Fitchburg, 11.17; Taunton, 12.69; Everett, 15.34; North Adams, 13.68; Gloucester, 9.95; Quincy, 18.48; Waltham, 14.78; Pittsfield, 6.99; Brookline, 9.57; Chicopee, 5.09; Medford, 15.60; Northampton, 8.01; Beverly, 10.53; Clinton, 10.65; Newburyport, 21.53; Woburn, ——; Leominster, ——; Hyde Park, 3.75; Marlborough, ——; Melrose, 15.52; Westfield, 11.96; Weymouth, ——; Framingham, 21.45; Gardner, 13.50; Revere, ——; Southbridge, 23.97; Watertown, ——.

The total death rate for the week was 15.29, as compared with 14.93 and 16.77 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 7, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	102	Measles,	609
Diphtheria and croup,	112	Typhoid fever,	29
Small-pox,	45		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 7, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 1,	30.42	64	79	50	54	61	58	S. W.	S. W.	7	15	F.	O.		0.00
Monday, 2,	30.08	72	87	58	70	62	66	W.	S. W.	12	15	C.	F.		0.00
Tuesday, 3,	29.84	80	92	68	66	78	72	W.	S. W.	16	10	F.	O.		0.05
Wednesday, 4,	29.78	68	84	51	81	82	82	S. W.	N. E.	15	20	O.	O.		0.01
Thursday, 5,	30.13	54	60	49	72	64	68	E.	S.	8	5	O.	C.		T
Friday, 6,	30.18	59	68	50	56	50	53	N. W.	S.	8	12	C.	F.		0.00
Saturday, 7,	29.81	66	78	54	81	92	86	S. W.	S. W.	12	24	O.	R.		0.04
Week,	30.03		78	54			69								0.10

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 14, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 24.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary*

MORTALITY OF MASSACHUSETTS

For the Week ending June 14, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Boston,	588,730	187	47	46	24	21	4	3	..
Worcester,	127,337	33	7	4	5	2	..	2	..
Fall River,	111,872	27	11	7	4	3	..	..	..
Lowell,	99,574	35	12	9	4	4	2	..	1
Cambridge,	96,334	23	6	5	1	2	1	1	..
Lynn,	71,144	13	3	1	1	..	1	..	..
Lawrence,	67,275	20	13	5	4	2	..	..	..
Springfield,	66,854	22	9	5	1	2	1	2	..
Somerville,	65,882	13	2	2	2	2	..	..	..
New Bedford,	65,574	17	4	1	1	1	..	..	..
Holyoke,	48,065	7	1	..	..	..	..	..	..
Brockton,	43,208	4	1	1	..	..	..	..	1
Haverhill,	40,392	15	4	1	2	1	..	..	..
Salem,	36,567	13	1	..	..	..	..	..	..
Newton,	36,336	9	..	2	1	2	..	..	..
Malden,	35,390	10	..	2	..	2	..	..	..
Chelsea,	35,264	7	1	1	2	1	..	..	..
Fitchburg,	33,848	4	1	1	..	1	..	..	..
Taunton,	32,759	12	2	4	2	2	..	..	1
Everett,	27,114	5	2	2	..	1	..	..	1
North Adams,	26,583	6	1	1	1	1	..	..	..
Gloucester,	26,121	4	1	..	..	..	..	..	..
Quincy,	25,307	5	1	2	1	2	..	..	..
Waltham,	24,612	1	..	..	..	..	..	..	..
Pittsfield,	22,311	6	..	..	2	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	4	2	1	1	..	..	1	..
Medford,	20,014	1	..	..	..	..	..	..	..
Northampton,	19,460	3	..	..	..	..	..	..	..
Beverly,	14,814	3	..	1	..	1	..	..	..
Clinton,	14,645	4	..	1	1	..	1	..	..
Newburyport,	14,478	5	0	..	1	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	2	1	..	..	..	..	..	..
Marlborough,	13,609	2	1	..	..	..	..	..	..
Melrose,	13,384	2	1	..	..	..	..	..	..
Westfield,	13,038	3	..	..	1	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	3	..	..	..	..	..	..	..
Gardner,	11,544	..	..	..	..	..	..	..	..
Weymouth,	11,337	3	1	..	1	..	..	..	..
Southbridge,	10,838	1	..	..	..	..	..	..	..
Watertown,	10,600	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Total of reporting towns, ..	2,046,212	534	136	105	63	53	10	9	4

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and five deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 9; cerebro-spinal meningitis, 4; diphtheria and croup, 10; whooping-cough, 4; erysipelas, 2; diarrhœal diseases, 11; small-pox, 11.

No deaths were reported from typhoid fever, puerperal fever, malarial fever or influenza.

There were 53 deaths from consumption, acute lung diseases, 63, still-births, 56.

From measles: Boston, 1. From scarlet fever: Boston, 3; Worcester, 2; Cambridge, 1; Springfield, 2; Chicopee, 1. From whooping-cough: Boston, 3; Lawrence, 1. From erysipelas: Boston, 2. From small-pox: Boston, 9; Lowell, 2.

Deaths under five years of age numbered 136, as compared with 146 for the preceding week.

Deaths from the principal infectious diseases numbered 105, as compared with 118 for the preceding week.

The death rates for the week were Boston, 16.51; Worcester, 13.47; Fall River, 12.55; Lowell, 18.27; Cambridge, 12.41; Lynn, 9.47; Lawrence, 15.45; Springfield, 17.10; Somerville, 10.26; New Bedford, 13.48; Holyoke, 7.56; Brockton, 4.80; Haverhill, 19.26; Salem, 18.44; Newton, 12.87; Malden, 14.46; Chelsea, 10.29; Fitchburg, 6.16; Taunton, 19.03; Everett, 9.59; North Adams, 11.73; Gloucester, 7.96; Quincy, 10.27; Waltham, 2.11; Pittsfield, 13.97; Brookline, ——; Chicopee, 10.19; Medford, 2.60; Northampton, 8.01; Beverly, 10.53; Clinton, 14.20; Newburyport, 17.94; Woburn, ——; Leominster, ——; Hyde Park, 7.49; Marlborough, 7.64; Melrose, 7.77; Westfield, 11.96; Framingham, ——; Revere, 13.11; Gardner, ——; Weymouth, 13.57; Southbridge, 4.79; Watertown, ——.

The total death rate for the week was 13.57, as compared with 15.29 and 14.93 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 14, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	92	Measles, ...	493
Diphtheria and croup, ...	109	Typhoid fever, ...	39
Small-pox, ...	19		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 14, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 8,	29.55	66	79	52	78	64		71	W.	N. W.	7	24		O.	C.			0.07
Monday, . . 9,	29.93	60	71	49	58	46		52	W.	S. W.	18	11		C.	C.			0.00
Tuesday, . . 10,	29.81	63	73	53	56	95		76	S. W.	S. W.	16	14		O.	O.			0.03
Wednesday, . 11,	29.93	58	63	52	55	68		62	E.	S.	10	16		F.	R.			T
Thursday, . . 12,	29.78	69	85	53	78	74		76	S. W.	N. E.	14	9		F.	O.			T
Friday, . . 13,	29.90	58	66	51	97	86		82	S. E.	S. E.	6	1		R.	O.			0.31
Saturday, . . 14,	30.10	60	66	54	86	79		82	N. E.	E.	4	5		F	C.			T
Week, . . .	29.86		72	52				72										0.41

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	426	99	525	Canned Goods,	..	..	..
Butter,	11	9	20	Honey,	2	1	3
Cheese,	..	..	..	Tea,	6	..	6
Lard,	..	..	..	Coffee,	10	..	10
Olive Oil,	..	..	..	Cocoa and Chocolate,	2	1	3
Vinegar,	6	8	14	Confectionery,	..	..	..
Spices,	135	22	157	Flavoring Extracts,	..	4	4
Cream of Tartar,	22	..	22	Miscellaneous,	1	3	4
Molasses,	15	1	16	Drugs,	59	34	93
Syrups,	..	..	..				
Maple Sugar,	..	..	..				
Maple Syrup,	5	..	5				
				Totals,	700	182	882

Percentage of adulteration, 20.6. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 18.8 per cent., while the percentage of articles of food was 18.5 per cent.

Nine complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

The samples of drugs found to be adulterated were Cera Flava, Glycerinum, Oleum Caryophylli, Oleum Limonis, Oleum Olivæ, Sodii Phosphas, Sulphur Lotum, Tinctura Iodi and Tinctura Opii.

Cities and towns from which samples of food were collected were Boston, Worcester, Cambridge, Springfield, Somerville, Holyoke, Brockton, Salem, Newton, Fitchburg, Waltham, Beverly, Leominster, Weymouth, Greenfield, Rockland, Watertown, Maynard, Concord, Arlington, Sudbury, Blackstone, Bedford, Medford, Everett, Chelsea, Lowell, Newburyport, Malden, Westborough, Brimfield, Brookline, Dedham, Palmer, Attleborough and Milford.

RECORD OF PROSECUTIONS IN MAY.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	May 1,	J. E. Dodwell,	Waltham.	Butter,	Conviction.
2	May 5,	H. A. Grimes,	Waltham,	Butter,	Conviction.
3	May 13,	T. Anthony,	Bedford,	Milk,	Conviction.
4	May 16,	A. S. Gendron,	Fitchburg,	Maple Syrup,	Conviction.
5	May 22,	Lewis Hopfe,	Palmer,	Milk,	Conviction.
6	May 26,	Geo. A. Wood,	Upton,	Milk,	Conviction.
7	May 28	A. Gervais,	Leominster,	Butter,	Conviction.
8		E. W. Cummings,	Worcester,	Milk,	Conviction.
9		A. Priarie,	Worcester,	Milk,	Conviction.

Notes on the Foregoing Cases.

Amount of fines paid, $132.00.

The total solids in the samples of milk upon which the foregoing cases were entered were as follows: — 8.80 — 10.97 — 7.92 — 10.40 and 7.50.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 21, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 25.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary*

MORTALITY OF MASSACHUSETTS

For the Week ending June 21, 1902.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Boston,	588,730	166	39	43	14	28	3	2	4
Worcester,	127,337	28	12	4	4	1	..	..	1
Fall River,	111,872	31	9	12	3	5	..	3	4
Lowell,	99,574	..	..	..	..	..	..	..	..
Cambridge,	96,334	12	2	2	1	1	..	..	..
Lynn,	71,144	14	..	6	..	5	..	..	..
Lawrence,	67,275	22	13	9	2	4	..	..	3
Springfield,	66,854	15	5	2	..	1	..	..	1
Somerville,	65,882	14	4	5	1	3	..	..	2
New Bedford,	65,574	13	2	2	..	1	..	..	1
Holyoke,	48,065	13	8	..	..	..	..	..	..
Brockton,	43,208	9	4	2	..	1	..	..	..
Haverhill,	40,392	7	..	2	1	2	..	..	..
Salem,	36,567	10	..	..	..	..	..	..	..
Newton,	36,336	5	..	..	..	..	..	..	..
Malden,	35,390	10	2	1	1	1	..	..	..
Chelsea,	35,264	8	1	..	1	..	..	..	..
Fitchburg,	33,848	..	..	..	..	..	..	..	..
Taunton,	32,759	9	1	1	2	..	..	..	1
Everett,	27,114	2	..	..	..	..	..	..	..
North Adams,	26,583	6	4	2	1	..	1	..	..
Gloucester,	26,121	8	4	2	..	..	1	..	..
Quincy,	25,307	9	..	3	1	2	..	..	1
Waltham,	24,612	4	1	1	..	1	..	..	..
Pittsfield,	22,311	1	..	..	..	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	6	4	2	..	2	..	..	..
Medford,	20,014	7	..	4	..	3	..	..	..
Northampton,	19,460	4	..	..	..	..	..	..	..
Beverly,	14,814	4	1	1	..	..	..	..	..
Clinton,	14,645	2	0	..	..	..	..	..	..
Newburyport,	14,478	5	1	1	..	1	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	..	..	..	..	..	..	..
Melrose,	13,384	5	1	2	..	1	1	..	..
Westfield,	13,038	5	2	..	3	..	..	..	..
Framingham,	12,109	6	..	1	..	1	..	..	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	3	1	1	1	1	..	..	..
Weymouth,	11,337	1	0	..	..	..	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..
Watertown,	10,600	5	..	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,910,453	470	121	112	36	66	6	5	18

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and twelve deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 5; cerebro-spinal meningitis, 4; diphtheria and croup, 6; whooping-cough, 3; typhoid fever, 5; diarrhœal diseases, 18; small-pox, 2.

No deaths were reported from erysipelas, puerperal fever, malarial fever or influenza.

There were 66 deaths from consumption, acute lung diseases, 36, still-births, 50.

From measles: Boston, Lawrence and Gloucester, 1 each. From scarlet fever: Boston, 2; Fall River, 3. From whooping-cough: Boston, 2; Lawrence, 1. From cerebro-spinal meningitis: Worcester, 2; Lynn, 1; North Adams, 1. From small-pox: Boston, 1; Cambridge, 1.

Deaths under five years of age numbered 121, as compared with 136 for the preceding week.

Deaths from the principal infectious diseases numbered 112, as compared with 105 for the preceding week.

The death rates for the week were Boston, 14.65; Worcester, 11.43; Fall River, 14.41; Lowell, ——; Cambridge, 6.48; Lynn, 10.20; Lawrence, 17.00; Springfield, 11.67; Somerville, 11.05; New Bedford, 10.31; Holyoke, 14.05; Brockton, 10.81; Haverhill, 8.99; Salem, 14.19; Newton, 7.15; Malden, 14.46; Chelsea, 11.77; Fitchburg, ——; Taunton, 14.27; Everett, 3.84; North Adams, 11.73; Gloucester, 15.93; Quincy, 18.48; Waltham, 8.44; Pittsfield, 2.33; Brookline, ——; Chicopee, 15.28; Medford, 18.20; Northampton, 10.69; Beverly, 14.04; Clinton, 7.10; Newburyport, 17.94; Woburn, ——; Leominster, ——; Hyde Park, ——; Marlborough, 3.82; Melrose, 19.42; Westfield, 19.94; Framingham, 25.74; Revere, ——; Gardner, 21.52; Weymouth, 4.52; Southbridge, ——; Watertown, 24.50.

The total death rate for the week was 12.79, as compared with 13.57 and 15.29 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 21, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	85	Measles,	325
Diphtheria and croup,	116	Typhoid fever,	30
Small-pox,	70		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.				DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 21, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 15,	29.88	60	66	54	100	97		98	N. E.	E.	3	7		R.	O.			0.11
Monday, 16,	29.59	65	76	54	97	84		90	E.	W.	1	12		O.	O.			T
Tuesday, 17,	29.60	66	74	59	73	62		68	N. W.	N. W.	18	12		C.	C.			0.00
Wednesday, 18,	29.94	67	79	55	60	52		56	W.	W.	17	10		C.	C.			0.00
Thursday, 19,	29.82	68	74	61	66	92		79	W.	N. W.	8	6		O.	C.			0.26
Friday, 20,	29.88	69	79	59	62	60		61	W.	N. E.	9	5		C.	C.			0.00
Saturday, 21,	29.88	62	67	58	78	95		86	E.	S. E.	2	4		O.	R.			0.31
Week,	29.80		74	57				77										0.68

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 28, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 26.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 28, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* POPULATION. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Boston, ...	588,730	204	44	48	17	26	2	5	3
Worcester, ...	127,337	33	8	4	1	3	..	..	..
Fall River, ...	111,872	40	22	15	6	5	..	..	8
Lowell, ...	99,574	..	..	..	..	..	..	..	..
Cambridge, ...	96,334	26	3	8	1	1	..	..	..
Lynn, ...	71,144	10	2	2	..	2	..	..	..
Lawrence, ...	67,275	26	10	7	1	4	1	..	2
Springfield, ...	66,854	..	..	..	..	..	..	..	..
Somerville, ...	65,882	13	1	5	..	1	..	..	1
New Bedford, ...	65,574	18	8	3	5	2	1	..	..
Holyoke, ...	48,065	11	3	..	..	..	..	..	..
Brockton, ...	43,208	6	0	3	..	3	..	..	..
Haverhill, ...	40,392	8	3	3	1	1	1	..	..
Salem, ...	36,567	11	5	1	2	1	..	..	..
Newton, ...	36,336	8	..	1	..	1	..	..	..
Malden, ...	35,390	5	1	2	1	1	..	..	..
Chelsea, ...	35,264	8	2	3	1	3	..	..	..
Fitchburg, ...	33,848	..	..	..	..	..	..	..	..
Taunton, ...	32,759	12	1	2	1	1	..	..	1
Everett, ...	27,114	7	1	1	1	1	..	..	..
North Adams, ...	26,583	5	1	1	2	1	..	..	..
Gloucester, ...	26,121	10	1	2	..	..	1	..	..
Quincy, ...	25,307	4	1	..	..	..	..	..	..
Waltham, ...	24,612	1	..	..	..	..	..	..	..
Pittsfield, ...	22,311	5	1	..	..	..	..	..	..
Brookline, ...	21,679	..	..	..	..	..	..	..	..
Chicopee, ...	20,390	8	4	1	..	..	..	..	1
Medford, ...	20,014	5	2	..	..	..	..	..	..
Northampton, ...	19,460	7	1	2	..	2	..	..	..
Beverly, ...	14,814	4	1	..	1	..	..	..	..
Clinton, ...	14,645	2	1	..	..	..	..	..	..
Newburyport, ...	14,478	6	0	1	..	1	..	..	..
Woburn, ...	14,285	1	..	..	..	..	..	..	..
Leominster, ...	13,953	..	..	..	..	..	..	..	..
Hyde Park, ...	13,858	..	..	..	..	..	..	..	..
Marlborough, ...	13,609	4	0	..	..	..	..	..	..
Melrose, ...	13,384	4	..	..	..	..	..	..	..
Westfield, ...	13,038	2	..	1	..	1	..	..	..
Framingham, ...	12,109	4	1	..	..	..	..	..	..
Revere, ...	11,894	2	1	..	..	..	..	..	..
Gardner, ...	11,544	4	1	2	..	1	..	..	1
Weymouth, ...	11,337	1	0	..	..	..	..	..	..
Southbridge, ...	10,838	6	2	1	1	..	..	..	..
Watertown, ...	10,600	2	1	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,880,616	533	133	119	42	62	6	5	17

NOTE.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 5; cerebro-spinal meningitis, 5; diphtheria and croup, 6; whooping-cough, 5; typhoid fever, 5; diarrhœal diseases, 17; small-pox, 10.

No deaths were reported from erysipelas, puerperal fever, malarial fever or influenza.

There were 62 deaths from consumption, acute lung diseases, 42, still-births, 52.

Deaths under five years of age numbered 133, as compared with 121 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 112 for the preceding week.

The death rates for the week were Boston, 18.00; Worcester, 18.47; Fall River, 18.59; Lowell, ——; Cambridge, 14.03; Lynn, 7.28; Lawrence, 20.09; Springfield, ——; Somerville, 10.26; New Bedford, 13.77; Holyoke, 11.89; Brockton, 7.20; Haverhill, 10.27; Salem, 15.61; Newton, 11.44; Malden, 7.23; Chelsea, 11.76; Fitchburg, ——; Taunton, 19.03; Everett, 13.43; North Adams, 9.77; Gloucester, 19.91; Quincy, 8.22; Waltham, 2.11; Pittsfield, 11.64; Brookline, ——; Chicopee, 20.38; Medford, 13.00; Northampton, 18.70; Beverly, 14.00; Clinton, 7.10; Newburyport, 21.53; Woburn, 3.64; Leominster, ——; Hyde Park, ——; Marlborough, 15.29; Melrose, 15.53; Westfield, 7.97; Framingham, 17.16; Revere, 8.75; Gardner, 18.02; Weymouth, 4.52; Southbridge, 28.76; Watertown, 9.81.

The total death rate for the week was 14.73, as compared with 12.79 and 13.57 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 28, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	67	Measles,	318
Diphtheria and croup,	123	Typhoid fever,	22
Small-pox,	23		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 28, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 22,	29.92	65	73	57	73	44	58	N.	W.	7	14		C.	F.			0.15
Monday, 23,	29.96	60	69	52	57	50	54	W.	W.	12	10		C.	C.			0.00
Tuesday, 24,	29.96	62	71	52	58	49	54	W.	W.	14	8		C.	C.			0.00
Wednesday, 25,	29.88	65	76	54	63	66	64	W.	S.	12	10		C.	O.			0.00
Thursday, 26,	29.40	68	76	60	97	42	64	S. E.	W.	8	24		R.	F.			0.36
Friday, 27,	29.62	62	69	55	52	56	54	W.	W.	27	12		C.	C.			0.00
Saturday, 28,	29.88	68	78	58	56	50	53	N. W.	W.	22	8		C.	F.			0.00
Week,	29.80		73	55			57										0.51

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 5, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 27.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 5, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Boston, ...	588,730	152	40	35	11	16	1	..	13
Worcester, ...	127,337	33	13	4	1	2	..	..	2
Fall River, ...	111,872	46	28	13	12	1	..	..	12
Lowell, ...	99,574	34	15	9	2	2	1	..	6
Cambridge, ...	96,334	20	4	8	2	1	4	1	..
Lynn, ...	71,144	10	3	..	2	..	..	..	..
Lawrence, ...	67,275	15	5	2	2	..	..	..	1
Springfield, ...	66,854	11	4	2	1	..	1	..	1
Somerville, ...	65,882	24	6	8	6	4	..	..	3
New Bedford, ...	65,574	14	4	3	2	2	..	..	1
Holyoke, ...	48,065	21	9	..	..	..	..	..	..
Brockton, ...	43,208	10	4	2	..	1	..	..	..
Haverhill, ...	40,392	8	..	..	..	..	..	..	..
Salem, ...	36,567	9	1	..	..	..	..	..	..
Newton, ...	36,336	7	1	..	..	..	..	..	..
Malden, ...	35,390	7	1	2	..	1	..	..	..
Chelsea, ...	35,264	14	1	..	1	..	..	..	..
Fitchburg, ...	33,848	6	2	..	..	..	..	..	..
Taunton, ...	32,759	..	..	..	..	..	..	..	..
Everett, ...	27,114	6	1	2	..	2	..	..	..
North Adams, ...	26,583	8	5	..	1	..	..	..	..
Gloucester, ...	26,121	9	2	3	..	2	1	..	..
Quincy, ...	25,307	4	1	2	..	2	..	..	..
Waltham, ...	24,612	1	..	..	..	..	..	..	..
Pittsfield, ...	22,311	3	..	..	1	..	..	..	..
Brookline, ...	21,679	..	..	..	..	..	..	..	..
Chicopee, ...	20,390	11	7	3	1	..	..	1	2
Medford, ...	20,014	3	1	1	..	..	..	..	1
Northampton, ...	19,460	2	0	..	..	..	..	..	..
Beverly, ...	14,814	1	..	..	1	..	..	..	..
Clinton, ...	14,645	3	1	1	..	..	..	..	1
Newburyport, ...	14,478	2	1	..	..	..	..	..	..
Woburn, ...	14,285	5	2	1	..	1	..	..	..
Leominster, ...	13,953	..	..	..	..	..	..	..	..
Hyde Park, ...	13,858	..	..	..	..	..	..	..	..
Marlborough, ...	13,609	5	1	1	..	1	..	..	..
Melrose, ...	13,384	4	..	1	..	..	..	..	..
Westfield, ...	13,038	2	..	..	..	..	..	..	..
Framingham, ...	12,109	..	..	..	..	..	..	..	..
Revere, ...	11,894	1	..	1	..	1	..	..	..
Gardner, ...	11,544	..	..	..	..	..	..	..	..
Weymouth, ...	11,337	5	1	..	..	..	..	..	..
Southbridge, ...	10,838	6	2	1	..	1	..	..	..
Watertown, ...	10,600	2	1	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,024,480	524	167	105	47	40	8	2	43

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and five deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 2; cerebro-spinal meningitis, 2; diphtheria and croup, 8; whooping-cough, 1; erysipelas, 1; typhoid fever, 2; puerperal fever, 1; diarrhœal diseases, 43; small-pox, 3.

No deaths were reported from malarial fever or influenza.

There were 40 deaths from consumption, acute lung diseases, 47, still-births, 38.

From measles: Lawrence, 1; Brockton, 1. From scarlet fever: Cambridge, 1; Chicopee, 1. From cerebro-spinal-meningitis: Boston, 2. From whooping-cough: Boston, 1. From erysipelas, Boston, 1. From small-pox: Cambridge, 2; Melrose, 1.

Deaths under five years of age numbered 167, as compared with 133 for the preceding week.

Deaths from the principal infectious diseases numbered 105, as compared with 119 for the preceding week.

The death rates for the week were Boston, 13.42; Worcester, 13.47; Fall River, 21.38; Lowell, 17.75; Cambridge, 10.79; Lynn, 7.29; Lawrence, 11.59; Springfield, 8.56; Somerville, 18.94; New Bedford, 11.10; Holyoke, 22.70; Brockton, 12.00; Haverhill, 10.27; Salem, 12.77; Newton, 10.00; Malden, 10.12; Chelsea, 20.59; Fitchburg, 9.23; Taunton, ——; Everett, 11.50; North Adams, 15.64; Gloucester, 17.92; Quincy, 8.22; Waltham, 2.11; Pittsfield, 6.99; Brookline, ——; Chicopee, 28.03; Medford, 7.80; Northampton, 5.34; Beverly, 3.51; Clinton, 10.65; Newburyport, 7.17; Woburn, 18.20; Leominster, ——; Hyde Park, ——; Marlborough, 19.11; Melrose, 15.53; Westfield, 7.97; Framingham, ——; Revere, 4.37; Gardner, ——; Weymouth, 22.62; Southbridge, 28.76; Watertown, 9.81.

The total death rate for the week was 13.45, as compared with 14.73 and 12.79 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 5, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	62	Measles,	203
Diphtheria and croup,	99	Typhoid fever,	14
Small-pox,	20		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 28, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, June 29,	29.87	62	68	55	44	91	68	N. W.	N. E.	6	6	F.	O.		0.07
Monday, 30,	29.96	62	68	56	72	54	63	N. W.	S.	3	11	O.	O.		0.00
Tuesday, July 1,	29.90	58	61	55	86	88	87	S. E.	S. E.	9	6	O.	C.		0.08
Wednesday, 2,	30.16	67	79	55	60	47	54	N. W.	N. E.	12	3	C.	C.		0.00
Thursday, 3,	29.90	65	69	61	78	92	85	S. W.	N. W.	15	9	O.	F.		0.29
Friday, 4,	29.96	72	83	60	76	64	70	N. W.	S. W.	9	11	C.	C.		0.00
Saturday, 5,	29.89	70	76	65	53	66	60	N. E.	E.	12	3	O.	O.		0.00
Week,	29.95		72	58			70								0.44

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 12, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 28.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 12, 1902.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Whooping-cough.	Diarrhœal Diseases.
Boston,	588,730	190	63	48	19	17	1	4	14
Worcester,	127,337	37	15	10	1	1	1	..	7
Fall River,	111,872	56	42	30	..	4	..	..	26
Lowell,	99,574	49	22	13	2	3	1	..	7
Cambridge,	96,334	30	6	16	..	10	1	..	3
Lynn,	71,144	25	9	5	3	1	..	..	2
Lawrence,	67,275	15	11	5	..	..	..	..	5
Springfield,	66,854	17	4	5	1	2	..	..	2
Somerville,	65,882	19	3	5	1	3	..	..	2
New Bedford,	65,574	28	17	8	2	..	..	1	7
Holyoke,	48,065	17	8	..	2	..	..	..	..
Brockton,	43,208	8	1	3	..	3	..	..	..
Haverhill,	40,392	12	4	1	..	..	..	..	..
Salem,	36,567	15	5	4	..	..	1	..	..
Newton,	36,336	7	2	1	3	1	..	..	..
Malden,	35,390	13	2	3	2	1	2	..	..
Chelsea,	35,264	9	2	1	..	..	..	..	..
Fitchburg,	33,848	4	1	..	1	..	..	..	..
Taunton,	32,759	7	..	4	1	2	..	1	1
Everett,	27,114	6	1	2	..	..	..	1	..
North Adams,	26,583	9	1	1	..	1	..	..	..
Gloucester,	26,121	6	1	..	..	..	..	..	..
Quincy,	25,307	8	4	1	..	..	..	..	1
Waltham,	24,612	11	1	1	..	1	..	..	..
Pittsfield,	22,311	7	..	..	..	..	..	..	..
Brookline,	21,679	..	..	..	1	..	..	..	..
Chicopee,	20,390	6	3	2	..	..	..	..	2
Medford,	20,014	7	3	1	..	1	..	..	..
Northampton,	19,460	9	2	1	..	1	..	..	..
Beverly,	14,814	2	..	..	..	..	..	..	..
Clinton,	14,645	9	2	1	1	..	..	..	..
Newburyport,	14,478	5	1	..	..	..	..	..	..
Woburn,	14,285	2	..	1	..	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	1	..	..	..	..	..
Melrose,	13,384	2	1	..	..	..	..	..	..
Westfield,	13,038	5	1	..	..	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	5	1	1	..	1	..	..	..
Gardner,	11,544	2	..	..	..	..	..	..	..
Weymouth,	11,337	3	1	1	..	..	..	..	..
Southbridge,	10,838	3	..	1	..	1	..	..	..
Watertown,	10,600	0	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Whooping-cough.	Diarrhœal Diseases.
Total of reporting towns, ..	2,068,783	667	241	177	40	55	7	7	79

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and seventy-seven deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 2; cerebro-spinal meningitis, 9; diphtheria and croup, 7; whooping-cough, 7; erysipelas, 3; typhoid fever, 6; puerperal fever, 1; diarrhœal diseases, 79; small-pox, 4.

No deaths were reported from malarial fever or influenza.

There were 55 deaths from consumption, acute lung diseases, 40, still-births, 45.

From measles: Worcester, 1; Salem, 2; Clinton, 1. From scarlet fever: Boston, 1; Weymouth, 1. From cerebro-spinal-meningitis: Boston, 5; Lowell, 1; Lynn, 2; Marlborough, 1. From whooping-cough: Boston, 4; New Bedford, Taunton and Everett, 1 each. From erysipelas, Boston, 2; Lowell, 1. From small-pox: Boston, 1; Cambridge, 2; Everett, 1.

Deaths under five years of age numbered 241, as compared with 167 for the preceding week.

Deaths from the principal infectious diseases numbered 177, as compared with 105 for the preceding week.

The death rates for the week were Boston, 16.77; Worcester, 15.11; Fall River, 26.02; Lowell, 25.58; Cambridge, 16.19; Lynn, 18.21; Lawrence, 11.59; New Bedford, 26.20; Holyoke, 18.38; Brockton, 9.60; Haverhill, 15.40; Salem, 21.28; Newton, 10.00; Malden, 18.80; Chelsea, 13.24; Fitchburg, 6.15; Taunton, 11.10; Everett, 11.50; North Adams, 17.59; Gloucester, 11.95; Quincy, 16.43; Waltham, 23.22; Pittsfield, 16.30; Brookline, ——; Chicopee, 15.28; Medford, 18.20; Northampton, 23.95; Beverly, 7.00; Clinton, 31.95; Newburyport, 17.94; Woburn, 7.28; Leominster, ——; Hyde Park, ——; Marlborough, 7.64; Melrose, 7.76; Westfield, 19.94; Framingham, ——; Revere, 21.86; Gardner, 9.01; Weymouth, 13.57; Southbridge, 14.38; Watertown, ——.

The total death rate for the week was 16.76, as compared with 13.45 and 14.73 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 12, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	66	Measles, ...	211
Diphtheria and croup, ...	88	Typhoid fever, ...	45
Small-pox, ...	51		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 12, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 6,	30.14	62	68	57	84	91	88	S.	E.	4	5	O.	F.		T
Monday, . . 7,	30.26	64	77	52	94	65	80	S. W.	S.	4	10	O.	C.		0.00
Tuesday, . . 8,	30.03	76	86	66	83	81	82	W.	S. W.	12	13	R.	C.		0.10
Wednesday, . 9,	29.90	82	91	72	68	49	58	N. W.	S. W.	13	5	C.	F.		0.00
Thursday, . . 10,	29.84	72	79	64	80	56	68	N. W.	N. W.	9	9	R.	C.		0.22
Friday, . . 11,	30.07	68	78	58	53	39	46	W.	N. W.	17	4	C.	C.		0.00
Saturday, . . 12,	30.02	71	82	60	57	56	56	W.	S. W.	10	12	C.	C.		0.00
Week, . . .	30.04		80	61			68								0.32

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	530	66	596	Maple Syrup, .	1	1	2
Butter, . . .	7	4	11	Canned Goods, .	..	..	..
Cheese, . . .	1	..	1	Honey, . . .	2	..	2
Lard, . . .	..	..	..	Tea, . . .	4	..	4
Olive Oil, . . .	..	1	1	Coffee, . . .	10	..	10
Vinegar, . . .	6	6	12	Vanilla Extract, .	1	1	2
Spices, . . .	143	24	167	Lemon Extract, .	1	1	2
Cream of Tartar, .	35	..	35	Other Articles of Food and Drinks,	..	..	..
Molasses, . . .	17	..	17	Condensed Milk, .	11	..	11
Syrups, . . .	..	..	..	Miscellaneous, .	..	2	2
Maple Sugar, . .	..	..	..	Drugs, . . .	47	35	82
				Totals, . .	816	141	957

Percentage of adulteration, 14.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 11.1 per cent., while the percentage of articles of food was 14.3 per cent.

Five complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

The samples of drugs found to be adulterated were Acidum Tannicum, Capsicum, Cera Flava, Glycerinum, Oleum Olivæ, Sodii Phosphas, Spiritus Ætheris Nitrosi, Sulphur Lotum, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Cambridge, Springfield, Somerville, Brockton, Salem, Newton, Weymouth, Watertown, Arlington, Medford, Everett, Chelsea, Newburyport, Malden, Fall River, Lawrence, Gloucester, North Adams, Northampton, Danvers, Whitman, Braintree, Haverhill, New Bedford, Edgeworth, Quincy, Hyde Park, Revere, Winthrop, Stoughton, Taunton.

RECORD OF PROSECUTIONS IN JUNE, 1902.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	June 11,	Geo. W. Russell,	Worcester,	Oleomargarine,	Conviction.
2	June 11,	Geo. W. Russell,	Worcester,	Colored "	Conviction.
3	June 16,	Fred N. Burnham,	Lowell,	Milk,	Plead Guilty.
4	June 16,	Fred N. Burnham,*	Lowell,	Milk,	Plead Guilty.
5	June 16,	John Hanlon,	Lowell,	Milk,	Plead Guilty.

* Two charges — one for sale of milk below standard and the other for sale of artificially colored milk.

Notes on the Foregoing Cases.

Amount of fines, $500.00.

The total solids in samples of milk upon which the foregoing cases were entered were as follows :— 10.27 — 10.27 and 10.80.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 19, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 29.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 19, 1902.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Boston,	588,730	189	73	66	14	17	5	2	37
Worcester,	127,337	31	15	13	2	..	..	..	9
Fall River,	111,872	55	43	32	..	4	..	1	26
Lowell,	99,574	51	30	22	1	2	..	1	19
Cambridge,	96,334	30	15	19	1	5	1	1	10
Lynn,	71,144	16	5	3	..	1	..	..	1
Lawrence,	67,275	22	15	16	1	2	1	..	12
Springfield,	66,854	35	16	6	1	4	..	..	1
Somerville,	65,882	13	5	6	..	1	..	..	1
New Bedford,	65,574	27	15	2	2	2	..	..	..
Holyoke,	48,065	17	7	..	..	..	..	..	..
Brockton,	43,208	3	0	3	..	3	..	..	..
Haverhill,	40,392	14	1	3	..	2	..	..	..
Salem,	36,567	10	6	..	..	..	..	..	..
Newton,	36,336	10	3	2	..	1	..	..	1
Malden,	35,390	8	2	2	..	1	..	..	..
Chelsea,	35,264	11	8	..	1	..	..	..	..
Fitchburg,	33,848	4	2	..	..	..	..	..	..
Taunton,	32,759	10	3	3	..	..	..	..	3
Everett,	27,114	7	3	3	..	..	..	..	2
North Adams,	26,583	4	2	1	..	..	..	..	1
Gloucester,	26,121	7	3	2	..	1	..	..	..
Quincy,	25,307	2	..	1	1	1	..	..	..
Waltham,	24,612	7	3	1	..	1	..	..	..
Pittsfield,	22,311	4	..	..	1	..	..	..	..
Brookline,	21,679	3	0	1	..	..	..	..	1
Chicopee,	20,390	13	12	5	..	..	..	..	5
Medford,	20,014	6	5	4	..	..	..	..	3
Northampton,	19,460	7	..	1	..	1	..	..	..
Beverly,	14,814	3	1	..	..	..	..	..	..
Clinton,	14,645	3	0	..	..	..	..	..	..
Newburyport,	14,478	5	1	..	..	..	..	..	..
Woburn,	14,285	3	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	2	1	..	..	..	..	..
Melrose,	13,384	..	..	..	..	..	..	..	..
Westfield,	13,038	2	..	..	..	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	7	3	1	..	1	..	..	..
Gardner,	11,544	5	..	..	2	..	..	..	..
Weymouth,	11,337	1	1	..	..	..	..	..	..
Southbridge,	10,838	2	..	1	..	..	..	..	..
Watertown,	10,600	1	1	1	..	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,077,078	652	301	221	27	50	7	5	133

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

Two hundred and twenty-one deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 5; cerebro-spinal meningitis, 8; diphtheria and croup, 7; whooping-cough, 5; typhoid fever, 6; diarrhœal diseases, 133; small-pox, 4.

No deaths were reported from erysipelas, puerperal fever, malarial fever or influenza.

There were 50 deaths from consumption, acute lung diseases, 27, still-births, 35.

Deaths under five years of age numbered 301, as compared with 241 for the preceding week.

Deaths from the principal infectious diseases numbered 221, as compared with 177 for the preceding week.

The death rates for the week were Boston, 16.69; Worcester, 13.15; Fall River, 25.56; Lowell, 26.62; Cambridge, 16.19; Lynn, 11.65; Lawrence, 17.00; New Bedford, 21.41; Holyoke, 18.38; Brockton, 3.60; Haverhill, 17.97; Salem, 14.90; Newton, 14.30; Malden, 11.57; Chelsea, 16.18; Fitchburg, 6.16; Taunton, 15.86; Everett, 13.42; North Adams, 7.82; Gloucester, 13.94; Quincy, 4.11; Waltham, 14.78; Pittsfield, 9.31; Brookline, 7.17; Chicopee, 33.12; Medford, 15.60; Northampton, 18.70; Beverly, 10.53; Clinton, 10.65; Newburyport, 17.94; Woburn, 10.92; Leominster, ——; Hyde Park, ——; Marlborough, 15.29; Melrose, ——; Westfield, 7.97; Framingham, ——; Revere, 33.61; Gardner, 22.53; Weymouth, 4.52; Southbridge, 9.59; Watertown, 4.90.

The total death rate for the week was 16.32, as compared with 16.76 and 13.42 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 19, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	62	Measles,	144
Diphtheria and croup,	80	Typhoid fever,	23
	Small-pox,	38	

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, July 19, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 13,	29.99	74	87	62	59	49	54	W.	S. W.	8	9		C.	C.			0.00
Monday, 14,	29.96	78	91	66	58	56	57	W.	S. W.	10	8		C.	O.			0.00
Tuesday, 15,	29.78	74	87	62	72	100	86	S. W.	N. W.	10	5		F.	R.			0.70
Wednesday, 16,	29.81	68	76	61	64	62	63	N. W.	N. W.	12	7		C.	C.			0.06
Thursday, 17,	29.88	66	76	55	53	81	67	W.	S. W.	7	15		O.	O.			0.03
Friday, 18,	29.94	72	77	68	58	69	64	W.	W.	10	5		O.	O.			0.00
Saturday, 19,	30.08	62	64	59	70	92	81	E.	E.	9	4		R.	O.			0.01
Week,	29.92		80	62			67										0.80

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 26, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 30.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 26, 1902.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Boston,	588,730	224	94	90	12	31	3	..	44
Worcester,	127,337	46	30	17	3	1	..	3	12
Fall River,	111,872	66	49	36	3	3	1	..	32
Lowell,	99,574	52	7	26	2	3	..	..	22
Cambridge,	96,334	31	12	16	5	4	..	..	9
Lynn,	71,144	19	5	6	1	2	1	..	3
Lawrence,	67,275	30	17	9	2	2	1	..	6
Springfield,	66,854	15	3	2	1	1	..	..	1
Somerville,	65,882	15	5	5	2	1	..	..	1
New Bedford,	65,574	29	19	15	4	1	..	..	14
Holyoke,	48,065	26	21	..	..	..	..	..	..
Brockton,	43,208	7	1	..	..	..	..	..	..
Haverhill,	40,392	7	1	1	1	1	..	..	..
Salem,	36,567	10	3	2	2	1	..	..	1
Newton,	36,336	9	4	3	..	..	..	..	2
Malden,	35,390	9	1	3	..	1	..	..	..
Chelsea,	35,264	8	5	2	1	1	..	..	1
Fitchburg,	33,848	6	4	2	..	..	..	..	1
Taunton,	32,759	15	5	3	..	2	..	..	1
Everett,	27,114	13	5	6	..	2	..	..	1
North Adams,	26,583	6	1	1	..	..	..	..	1
Gloucester,	26,121	11	2	3	..	2	1	..	..
Quincy,	25,307	10	6	6	..	1	..	..	5
Waltham,	24,612	5	1	1	..	1	..	..	..
Pittsfield,	22,311	..	..	..	..	..	..	..	..
Brookline,	21,679	5	1	1	..	..	..	..	..
Chicopee,	20,390	11	6	5	2	..	1	..	3
Medford,	20,014	6	3	..	..	..	..	..	..
Northampton,	19,460	5	2	..	..	..	..	..	..
Beverly,	14,814	..	..	..	..	..	..	..	..
Clinton,	14,645	5	1	1	2	..	..	..	1
Newburyport,	14,478	5	2	1	..	..	..	..	1
Woburn,	14,285	7	1	1	..	1	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,699	5	2	1	2	1	..	..	..
Melrose,	13,384	5	1	1	..	..	..	..	..
Westfield,	13,038	2	2	..	..	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	4	3	1	..	1	..	..	..
Gardner,	11,544	3	1	1	..	1	..	..	..
Weymouth,	11,337	1	1	..	..	..	..	..	..
Southbridge,	10,838	1	..	..	..	..	..	..	..
Watertown,	10,600	5	3	2	..	..	..	1	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,053,337	739	330	270	45		8	4	163

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Two hundred and seventy deaths were reported from the principal infectious diseases : measles, 3 ; scarlet fever, 4 ; cerebro-spinal meningitis, 6 ; diphtheria and croup, 8 ; whooping-cough, 7 ; erysipelas, 2; diarrhœal diseases, 1 ; malarial fever, 1 ; small-pox, 8.

No deaths were reported from puerperal fever, or influenza.

There were 65 deaths from consumption, acute lung diseases, 45, still-births, 34.

From measles : Boston, 1 ; Fitchburg, 1 ; Chicopee, 1. From scarlet fever : Worcester, 3 ; Watertown, 1. From cerebro-spinal meningitis : Boston, 3 ; Somerville, 2 ; Everett, 1. From whooping cough : Boston, 5 ; Somerville and Malden, 1 each. From erysipelas : Boston and Malden, 1 each. From malarial fever : Chicopee, 1. From small-pox : Boston, 2 ; Lowell, 1 ; Cambridge, 3 ; Everett, 1 ; Melrose, 1.

Deaths under five years of age numbered 330, as compared with 301 for the preceding week.

Deaths from the principal infectious diseases numbered 270, as compared with 221 for the preceding week.

The death rates for the week were Boston, 19.78 ; Worcester, 18.78 ; Fall River, 30.67 ; Lowell, 27.14 ; Cambridge, 16.73 ; Lynn, 13.84 ; Lawrence, 23.18 ; Springfield, 11.67 ; Somerville, 11.84 ; New Bedford, 23.00 ; Holyoke, 28.10 ; Brockton, 8.40 ; Haverhill, 8.99 ; Salem, 14.19 ; Newton, 12.87 ; Malden, 13.01 ; Chelsea, 11.77 ; Fitchburg, 9.23 ; Taunton, 23.79 ; Everett, 24.93 ; North Adams, 11.73 ; Gloucester, 21.90 ; Quincy, 20.54 ; Waltham, 10.55 ; Pittsfield, —— ; Brookline, 11.96 ; Chicopee, 28.02 ; Medford, 15.60 ; Northampton, 13.36 ; Beverly, —— ; Clinton, 17.75 ; Newburyport, 17.94 ; Woburn, 25.48 ; Leominster, —— ; Hyde Park, —— ; Marlborough, 19.11 ; Melrose, 19.42 ; Westfield, 7.98 ; Framingham, —— ; Revere, 17.49 ; Gardner, 13.51 ; Weymouth, 4.52 ; Southbridge, 4.79 ; Watertown, 22.52.

The total death rate for the week was 18.71, as compared with 16.32 and 16.76 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 26, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	59	Measles, ...	140
Diphtheria and croup, ...	83	Typhoid fever, ...	40
Small-pox, ...	32		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, July 26, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 20,	29.88	59	60	58	97	97	97	E.	E.	15	12	R.	R.			0.51
Monday, . . 21,	29.82	60	64	57	94	94	94	E.	E.	6	5	O.	O.			0.76
Tuesday, . . 22,	29.90	63	67	59	95	97	96	N.	N. E.	5	9	O.	R.			0.05
Wednesday, . 23,	30.10	62	66	58	91	94	92	N.	E.	5	4	O.	F.			T
Thursday, . . 24,	30.20	62	64	59	79	86	82	S. E.	E.	4	9	O.	F.			0.00
Friday, . . 25,	30.22	62	65	58	89	89	89	N. E.	E.	4	6	O.	O.			0.01
Saturday, . . 26,	30.19	62	65	58	89	92	90	N. E.	E.	6	5	O.	O.			0.03
Week, . . .	30.04		64	58			91									1.36

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 2, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 31.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 2, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Boston,	588,730	197	86	63	8	26	2	2	25
Worcester,	127,337	45	14	16	3	2	..	1	12
Fall River,	111,872	57	32	24	4	4	..	..	18
Lowell,	99,574	54	31	17	2	4	..	..	13
Cambridge,	96,334	29	16	10	1	1	..	..	7
Lynn,	71,144	23	10	11	..	2	..	4	5
Lawrence,	67,275	29	..	21	1	1	..	..	19
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	16	5	6	1	2	1	..	3
New Bedford,	65,574	31	20	17	1	..	1	..	16
Holyoke,	48,065	12	7	..	..	..	..	..	..
Brockton,	43,208	9	1	3	..	3	..	..	..
Haverhill,	40,392	10	4	1	1	..	..	..	..
Salem,	36,567	10	10	10	..	..	..	..	10
Newton,	36,336	13	10	5	..	..	..	..	5
Malden,	35,390	5	2	1	..	..	..	..	1
Chelsea,	35,264	18	12	4	4	1	1	..	2
Fitchburg,	33,848	8	3	..	..	..	..	..	..
Taunton,	32,759	9	4	3	..	..	..	..	3
Everett,	27,114	14	8	4	..	..	..	1	2
North Adams,	26,583	3	..	1	..	1	..	..	..
Gloucester,	26,121	13	2	4	..	3	..	..	..
Quincy,	25,307	6	1	2	..	..	..	..	2
Waltham,	24,612	9	2	3	..	2	..	..	..
Pittsfield,	22,311	6	3	1	..	..	..	..	1
Brookline,	21,679	3	..	..	..	..	..	..	..
Chicopee,	20,390	10	6	3	..	..	..	..	3
Medford,	20,014	4	3	2	..	..	..	..	1
Northampton,	19,460	3	3	..	..	..	..	..	..
Beverly,	14,814	6	..	2	..	1	..	..	..
Clinton,	14,645	6	3	..	..	..	..	..	..
Newburyport,	14,478	8	3	1	..	..	..	..	1
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	1	2	..	1	1	..	..
Melrose,	13,384	2	..	..	..	..	..	..	..
Westfield,	13,038	7	2	1	..	..	1	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	1	..	1	..	1	..	..	..
Gardner,	11,544	..	..	..	..	..	..	..	..
Weymouth,	11,337	4	1	..	1	..	..	..	..
Southbridge,	10,838	5	1	2	1	1	..	..	1
Watertown,	10,600	5	3	2	..	..	..	..	2

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Total of reporting towns, ..	1,997,779	694	309	243	28	56	7	8	152

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

Two hundred and forty-three deaths were reported from the principal infectious diseases : measles, 1; scarlet fever, 4 ; cerebro-spinal meningitis, 8 ; diphtheria and croup, 7 ; whooping-cough, 7 ; typhoid fever, 5 ; diarrhœal diseases, 152 ; malarial fever, 1 ; small-pox, 3.

No deaths were reported from puerperal fever, erysipelas, or influenza.

There were 56 deaths from consumption, acute lung diseases, 28, still-births, 47.

From measles : Lawrence, 1. From scarlet fever : Boston, 3 ; Fall River, 11. From cerebro-spinal meningitis : Boston, 2 ; Worcester, 1 ; Lynn, 4 ; Everett, 1. From whooping cough : Boston, 4 ; Worcester, Fall River and Waltham, 1 each. From malarial fever : Beverly, 1. From small-pox : Cambridge, 2 ; Medford, 1.

Deaths under five years of age numbered 309, as compared with 330 for the preceding week.

Deaths from the principal infectious diseases numbered 243, as compared with 270 for the preceding week.

The death rates for the week were Boston, 17.39 ; Worcester, 18.37 ; Fall River, 26.49 ; Lowell, 28.19 ; Cambridge, 15.65 ; Lynn, 16.75 ; Lawrence, 22.41 ; Springfield, —— ; Somerville, 12.63 ; New Bedford, 24.58 ; Holyoke, 12.97 ; Brockton, 10.80 ; Haverhill, 12.84 ; Salem, 14.20 ; Newton, 18.59 ; Malden, 7.23 ; Chelsea, 26.47 ; Fitchburg, 12.31 ; Taunton, 14.27 ; Everett, 26.85 ; North Adams, 5.86 ; Gloucester, 25.88 ; Quincy, 12.32 ; Waltham, 19.00 ; Pittsfield, 13.97 ; Brookline, 7.17 ; Chicopee, 25.48 ; Medford, 10.40 ; Northampton, 8.01 ; Beverly, 21.06 ; Clinton, 21.30 ; Newburyport, 28.70 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, 15.28 ; Melrose, 7.76 ; Westfield, 27.91 ; Framingham, —— ; Revere, 4.37 ; Gardner, —— ; Weymouth, 18.09 ; Southbridge, 23.97 ; Watertown, 24.52.

The total death rate for the week was 18.06, as compared with 18.71 and 16.32 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 2, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	68	Measles, ...	73
Diphtheria and croup, ...	86	Typhoid fever, ...	29
Small-pox, ...	26		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 2, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . July 27,	30.08	64	70	59	80	85	82	S. W.	S. W.	6	10		O.	O.			T
Monday, . . 28,	29.93	75	83	67	86	67	76	S. W.	W.	9	10		O.	C.			0.00
Tuesday, . . 29,	29.97	70	76	64	74	90	82	N. W.	N. E.	6	6		F.	O.			0.03
Wednesday, . 30,	30.05	70	74	65	76	86	81	N. E.	E.	12	5		O.	C.			0.00
Thursday, . . 31,	30.09	72	81	62	77	60	68	N. W.	S.	4	12		C.	C.			0.00
Friday, . Aug. 1,	30.00	72	80	65	78	81	80	S.	S.	7	8		O.	O.			T
Saturday, . . 2,	29.94	76	85	67	82	75	78	S. W.	S. W.	7	8		F.	C.			0.00
Week, . . .	30.01		78	64			78										0.03

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 9, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 32.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 9, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Boston,	588,730	201	82	44	10	14	4	2	20
Worcester,	127,337	44	22	19	1	3	..	1	14
Fall River,	111,872	52	39	24	1	1	..	..	22
Lowell,	99,574	40	22	12	..	2	..	..	8
Cambridge,	96,334	..	..	..	..	..	..	..	..
Lynn,	71,144	27	10	7	..	1	1	1	4
Lawrence,	67,275	25	16	10	5	..	..	..	8
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	13	4	5	..	..	..	..	5
New Bedford,	65,574	32	19	15	..	2	..	..	11
Holyoke,	48,065	17	6	..	..	..	..	..	..
Brockton,	43,208	14	3	4	..	3	..	..	..
Haverhill,	40,392	15	6	3	2	1	..	..	2
Salem,	36,567	..	..	..	..	..	..	..	..
Newton,	36,336	10	4	1	..	..	..	..	1
Malden,	35,390	10	5	4	..	1	..	..	3
Chelsea,	35,264	14	6	3	..	..	..	..	2
Fitchburg,	33,848	12	4	1	..	..	..	..	1
Taunton,	32,759	10	3	3	..	1	..	..	2
Everett,	27,114	13	7	2	..	..	..	..	1
North Adams,	26,583	6	4	4	..	..	..	..	4
Gloucester,	26,121	9	1	2	..	1	..	..	..
Quincy,	25,307	10	6	7	..	1	1	..	5
Waltham,	24,612	5	..	1	..	..	..	..	..
Pittsfield,	22,311	15	5	..	..	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	13	8	5	..	..	1	..	4
Medford,	20,014	5	4	1	..	..	..	..	1
Northampton,	19,460	9	5	..	..	..	..	..	..
Beverly,	14,814	5	2	..	..	..	..	..	..
Clinton,	14,645	8	3	3	..	..	..	1	2
Newburyport,	14,478	2	..	..	..	..	..	..	..
Woburn,	14,285	3	2	1	1	..	..	..	1
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	..	..	..	..	..	..
Melrose,	13,384	2	..	..	..	..	..	..	..
Westfield,	13,038	4	3	3	..	1	..	..	2
Framingham,	12,109	9	..	1	..	..	..	..	1
Revere,	11,894	3	1	1	..	..	..	..	..
Gardner,	11,544	2	..	..	..	..	..	..	..
Weymouth,	11,337	1	..	..	..	..	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..
Watertown,	10,600	4	2	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Total of reporting towns, ..	1,870,299	666	305	186	20	32	7	5	124

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and eighty-six deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 2; cerebro-spinal meningitis, 5; diphtheria and croup, 7; whooping-cough, 4; erysipelas, 1; typhoid fever, 6; diarrhœal diseases, 124; small-pox, 3.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 32 deaths from consumption, acute lung diseases, 20, still-births, 45.

From measles: Lawrence and Gloucester, 1 each. From scarlet fever: Boston and New Bedford, 1 each. From cerebro-spinal meningitis: Boston, 2; Worcester, Lynn and Clinton, 1 each. From whooping cough: Worcester, Fall River, Lawrence and Revere, 1 each. From erysipelas: Waltham, 1. From small-pox: Boston, Lowell and Everett, 1 each.

Deaths under five years of age numbered 305, as compared with 309 for the preceding week.

Deaths from the principal infectious diseases numbered 186, as compared with 243 for the preceding week.

The death rates for the week were Boston, 17.74; Worcester, 17.96; Fall River, 24.16; Lowell, 20.88; Cambridge, ——; Lynn, 19.67; Lawrence, 19.31; Springfield, ——; Somerville, 10.26; New Bedford, 25.37; Holyoke, 18.37; Brockton, 16.81; Haverhill, 19.26; Salem, ——; Newton, 14.30; Malden, 14.46; Chelsea, 20.59; Fitchburg, 18.46; Taunton, 15.86; Everett, 24.93; North Adams, 11.73; Gloucester, 17.92; Quincy, 20.54; Waltham, 10.55; Pittsfield, 34.93; Brookline, ——; Chicopee, 33.12; Medford, 13.00; Northampton, 24.05; Beverly, 17.55; Clinton, 28.40; Newburyport, 7.18; Woburn, 10.97; Leominster, ——; Hyde Park, ——; Marlborough, 7.64; Melrose, 7.77; Westfield, 15.95; Framingham, 38.61; Revere, 13.12; Gardner, 9.01; Weymouth, 4.52; Southbridge, ——; Watertown, 19.62.

The total death rate for the week was 18.51, as compared with 18.06 and 18.71 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 9, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	24	Measles,	71
Diphtheria and croup,	84	Typhoid fever,	43
Small-pox,	31		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 9, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 3,	29.88	76	84	67	76	78	77	W.	S. W.	2	10		F.	F.			0.00
Monday, 4,	29.82	76	84	69	82	80	81	W.	N. E.	10	9		F.	F.			0.03
Tuesday, 5,	29.91	67	70	64	90	97	94	N. E.	E.	10	5		O.	O.			T
Wednesday, 6,	29.72	68	71	65	90	87	88	S. E.	N. W.	8	7		R.	O.			0.25
Thursday, 7,	29.68	70	78	63	75	56	66	W.	W.	12	12		F.	C.			T
Friday, 8,	29.76	71	80	62	90	66	78	S. E.	W.	8	8		R.	C.			0.16
Saturday, 9,	30.02	70	80	60	75	59	67	W.	W.	9	4		F.	C.			0.00
Week,	29.83		78	64			79										0.44

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	421	73	494	Maple Syrup, .	1	..	1
Butter, . . .	12	7	19	Canned Goods, .	1	1	2
Cheese, . . .	1	..	1	Honey, . . .	2	1	3
Lard, . . .	..	..	..	Tea, . . .	4	..	4
Olive Oil, . . .	..	..	..	Coffee, . . .	4	..	4
Vinegar, . . .	8	8	16	Cocoa and Chocolate,	2	1	3
Spices, . . .	109	16	125	Confectionery, .	..	..	..
Cream of Tartar, .	22	..	22	Condensed Milk, .	17	1	18
Molasses, . . .	8	..	8	Lemon Extract, .	..	1	1
Syrups, . . .	..	..	..	Miscellaneous, .	9	3	12
Maple Sugar, . .	..	..	..	Drugs, . . .	32	36	68
				Totals, . .	653	148	801

Percentage of adulteration, 18.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 14.7 per cent., while the percentage of articles of food was 16.3 per cent.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

The samples of drugs found to be adulterated were Alcohol, Capsicum, Cera Flava, Linementum Camphoræ, Oleum Olivæ, Oleum Limonis, Sodii Boras, Sodii Phosphas, Spiritus Ætheris Nitrosi, Sulphur Præcipitatum, Syrupus, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Cambridge, Somerville, Springfield, Holyoke, Salem, Newton, Waltham, Watertown, Northampton, Peabody, Provincetown, Waverly, Braintree, Attleborough, Revere, Dedham, Lowell, Fitchburg, Everett, Fall River, Salisbury Beach, Roslindale, Malden, Chelsea, Arlington, Fairhaven, Brockton, Medford, New Bedford, Winthrop, Worcester and Brookline.

RECORD OF PROSECUTIONS IN JULY, 1902.

Under the Food & Drug Acts

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	July 11,	Wm. C. Ray,	Salem,	Preserved Milk,	Plead Guilty.
2	July 11,	Wm. C. Ray,*	Salem,	Milk,	Plead Guilty.
3	July 24,	Chas. A. Wright,	Springfield,	Renovated Butter,	†Plead Nolo.
4	July 24,	Luther C. Gardner,	Fall River,	Milk,	‡Plead Guilty.
5	July 24,	Luther C. Gardner,*	Fall River,	Milk,	‡Plead Guilty.
6	July 31,	Frank C. Chase,	Fall River,	Milk,	‡Plead Guilty.

Under The Law relating to Arsenic. Chap. 213, § 8,

* Two charges — one for sale of milk below standard and the other for sale of milk containing preservatives.
† Placed on file. ‡ Placed on file on payment of costs.

Notes on the Foregoing Cases.

Amount of fines, $88.78.

The total solids in samples of milk upon which the foregoing cases were entered were as follows: — 11.40 — 11.46 and 11.15.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 16, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 33.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 16, 1902.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	195	74	71	12	22	1	2	34
Worcester,	127,337	25	16	10	1	2	..	..	6
Fall River,	111,872	60	48	35	4	4	2	..	24
Lowell,	99,574	34	17	12	4	3	..	1	8
Cambridge,	96,334	30	12	13	3	4	1	..	7
Lynn,	71,144	16	5	4	..	..	..	..	4
Lawrence,	67,275	23	17	9	1	..	..	..	8
Springfield,	66,854	9	4	1	1	..	..	..	1
Somerville,	65,882	31	10	11	5	4	1	..	6
New Bedford,	65,574	28	15	16	1	2	..	1	13
Holyoke,	48,065	..	..	..	..	..	..	..	..
Brockton,	43,208	12	1	2	..	2	..	..	..
Haverhill,	40,392	14	6	7	..	3	..	..	4
Salem,	36,567	22	12	4	..	..	..	..	4
Newton,	36,336	16	8	3	..	..	..	..	3
Malden,	35,390	8	5	1	..	..	..	..	1
Chelsea,	35,264	..	..	..	..	..	..	..	..
Fitchburg,	33,848	10	8	1	..	1	..	..	..
Taunton,	32,759	8	4	3	..	..	..	..	3
Everett,	27,114	6	5	2	..	..	..	..	2
North Adams,	26,583	14	9	4	..	1	..	..	3
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	..	..	..	..	..	..	..	..
Waltham,	24,612	7	1	..	1	..	..	..	..
Pittsfield,	22,311	9	..	1	1	1	..	..	..
Brookline,	21,679	4	2	1	..	1	..	..	..
Chicopee,	20,390	9	6	3	..	..	..	..	3
Medford,	20,014	5	3	..	..	..	..	..	..
Northampton,	19,460	2	1	2	..	..	..	..	2
Beverly,	14,814	5	1	..	1	..	..	..	..
Clinton,	14,645	3	2	2	..	..	..	..	1
Newburyport,	14,478	8	5	4	..	..	..	1	3
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,699	..	..	..	..	..	..	..	..
Melrose,	13,384	1	..	1	..	..	..	..	1
Westfield,	13,038	5	1	1	..	..	..	..	..
Framingham,	12,109	2	..	1	..	..	..	..	1
Revere,	11,894	5	3	..	..	..	..	..	..
Gardner,	11,544	2	..	..	..	..	..	..	..
Weymouth,	11,337	0	..	..	..	..	..	..	..
Southbridge,	10,838	2	2	..	..	..	..	..	..
Watertown,	10,600	5	1	1	..	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,939,920	635	304	226	35	50	5	5	143

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

Two hundred and twenty-six deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 7 ; cerebro-spinal meningitis, 3 ; diphtheria and croup, 5 ; whooping-cough, 7 ; typhoid fever, 5 ; puerperal fever, 1 ; diarrhœal diseases, 143 ; small-pox, 4.

No deaths were reported from erysipelas, malarial fever or influenza.

There were 50 deaths from consumption, acute lung diseases, 35, still-births, 35.

From measles : Clinton, 1. From scarlet fever : Boston, 5 ; Fall River and Lawrence, 1 each. From cerebro-spinal meningitis : Worcester, 2 ; Westfield, 1. From whooping cough : Boston, 3 ; Fall River, 4. From small-pox : Boston, 3 ; Cambridge, 1.

Deaths under five years of age numbered 304, as compared with 305 for the preceding week.

Deaths from the principal infectious diseases numbered 226, as compared with 186 for the preceding week.

The death rates for the week were Boston, 16.05 ; Worcester, 10.21 ; Fall River, 27.89 ; Lowell, 17.74 ; Cambridge, 16.19 ; Lynn, 11.65 ; Lawrence, 17.77 ; Springfield, 15.56 ; Somerville, 24.47 ; New Bedford, 22.20 ; Holyoke, —— ; Brockton, 14.41 ; Haverhill, 17.97 ; Salem, 31.21 ; Newton, 22.88 ; Malden, 11.57 ; Chelsea, —— ; Fitchburg, 15.39 ; Taunton, 12.69 ; Everett, 11.51 ; North Adams, 27.37 ; Gloucester, —— ; Quincy, —— ; Waltham, 14.77 ; Pittsfield, 20.96 ; Brookline, 9.57 ; Chicopee, 22.93 ; Medford, 13.00 ; Northampton, 5.34 ; Beverly, 17.55 ; Clinton, 10.65 ; Newburyport, 28.70 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, —— ; Melrose, 3.88 ; Westfield, 19.94 ; Framingham, 8.58 ; Revere, 21.86 ; Gardner, 9.01 ; Weymouth, —— ; Southbridge, 9.59 ; Watertown, 24.52.

The total death rate for the week was 17.02, as compared with 18.51 and 18.06 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 16, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	53	Measles, ...	50
Diphtheria and croup, ...	62	Typhoid fever, ...	38
Small-pox, ...	9		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 16, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 10,	30.14	68	73	62	64	57	60	N. W.	S. E.	3	14		C.	O.			0.00
Monday, . . 11,	29.88	72	80	63	95	86	90	S.	S.	12	17		O.	O.			1.02
Tuesday, . . 12,	29.96	66	76	57	71	58	64	W.	N. W.	12	15		C.	C.			0.25
Wednesday, . 13,	30.10	63	73	53	58	46	52	N. W.	N. W.	13	7		C.	C.			0.00
Thursday, . . 14,	30.04	66	78	55	61	55	58	W.	S. W.	6	8		C.	F.			0.00
Friday, . . 15,	29.87	70	82	59	65	64	64	W.	N.	5	14		C.	F.			0.00
Saturday, . . 16,	29.82	62	68	57	58	50	54	N.	N. W.	12	7		F.	C.			0.00
Week, . . .	29.97		76	58			63										1.27

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain: T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 23, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 34.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 23, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston, ...	588,730	220	104	93	15	23	1	2	54
Worcester, ...	127,337	31	14	7	2	2	..	..	5
Fall River, ...	111,872	59	41	34	5	2	..	..	30
Lowell, ...	99,574	30	19	14	2	3	1	..	10
Cambridge, ...	96,334	28	13	13	..	2	..	..	9
Lynn, ...	71,144	30	5	..	5	..	..	..	..
Lawrence, ...	67,275	29	21	14	2	1	..	..	12
Springfield, ...	66,854	4	3	1	..	1	..	..	..
Somerville, ...	65,882	11	4	2	1	1	..	..	1
New Bedford, ...	65,574	36	20	18	1	3	1	1	12
Holyoke, ...	48,065	14	7	7	..	1	..	..	4
Brockton, ...	43,208	13	3	4	..	4	..	..	..
Haverhill, ...	40,392	8	1	1	..	1	..	..	..
Salem, ...	36,567	15	8	5	..	..	..	..	5
Newton, ...	36,336	8	4	4	..	..	..	..	4
Malden, ...	35,390	4	2	1	..	..	..	..	1
Chelsea, ...	35,264	13	..	3	..	..	..	..	3
Fitchburg, ...	33,848	..	..	..	..	..	..	..	..
Taunton, ...	32,759	..	..	..	..	..	..	..	..
Everett, ...	27,114	12	5	6	..	2	..	..	4
North Adams, ...	26,583	8	3	4	..	1	1	..	2
Gloucester, ...	26,121	10	4	4	..	1	1	..	..
Quincy, ...	25,307	9	4	4	..	1	..	..	3
Waltham, ...	24,612	6	2	3	..	1	1	1	..
Pittsfield, ...	22,311	11	3	2	2	1	..	1	..
Brookline, ...	21,679	4	2	1	..	1	..	..	..
Chicopee, ...	20,390	11	7	3	..	..	1	..	2
Medford, ...	20,014	2	2	1	..	..	..	..	1
Northampton, ...	19,460	..	..	..	..	..	..	..	..
Beverly, ...	14,814	4	..	1	..	1	..	..	..
Clinton, ...	14,645	5	2	1	..	..	..	..	1
Newburyport, ...	14,478	4	2	2	..	..	..	..	2
Woburn, ...	14,285	8	5	2	..	..	..	..	2
Leominster, ...	13,953	..	..	..	..	..	..	..	..
Hyde Park, ...	13,858	..	..	..	..	..	..	..	..
Marlborough, ...	13,609	2	2	2	..	..	..	..	2
Melrose, ...	13,384	..	..	..	..	..	..	..	..
Westfield, ...	13,038	5	1	..	..	..	..	..	..
Framingham, ...	12,109	3	..	..	..	..	..	..	..
Revere, ...	11,894	11	5	2	..	1	..	..	1
Gardner, ...	11,544	6	..	4	..	..	..	..	4
Weymouth, ...	11,337	5	1	..	..	..	..	..	..
Southbridge, ...	10,838	2	1	1	..	..	..	..	1
Watertown, ...	10,600	0	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,003,120	671	320	264	35	54	7	5	175

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

Two hundred and sixty-four deaths were reported from the principal infectious diseases : measles, 2 ; scarlet fever, 2 ; cerebro-spinal meningitis, 7 ; diphtheria and croup, 7 ; whooping-cough, 7 ; erysipelas, 1 ; typhoid fever, 5 ; diarrhœal diseases, 175 ; small-pox, 4.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 54 deaths from consumption, acute lung diseases, 35, still-births, 48.

From measles : Boston and Lawrence, 1 each. From scarlet fever : Boston and New Bedford, 1 each. From cerebro-spinal meningitis : Boston, 3 ; Holyoke and Gloucester, 1 each. From whooping cough : Boston, 4 ; Fall River, 2 ; Cambridge, 1. From small-pox : Boston, 3 ; Cambridge, 1.

Deaths under five years of age numbered 320, as compared with 304 for the preceding week.

Deaths from the principal infectious diseases numbered 264, as compared with 226 for the preceding week.

The death rates for the week were : Boston, 19.42 ; Worcester, 12.66 ; Fall River, 27.42 ; Lowell, 15.66 ; Cambridge 15.11 ; Lynn, 21.85 ; Lawrence, 22.40 ; Springfield, 3.11 ; Somerville, 8.68 ; New Bedford, 28.54 ; Holyoke, 15.13 ; Brockton, 15.61 ; Haverhill, 10.27 ; Salem, 21.28 ; Newton, 11.44 ; Malden, 5.78 ; Chelsea, 19.12 ; Fitchburg, —— ; Taunton, —— ; Everett, 23.00 ; North Adams, 15.64 ; Gloucester, 19.91 ; Quincy, 18.48 ; Waltham, 12.67 ; Pittsfield, 25.61 ; Brookline, 9.56 ; Chicopee, 28.02 ; Medford, 5.20 ; Northampton, —— ; Beverly, 14.04 ; Clinton, 17.75 ; Newburyport, 14.35 ; Woburn, 29.12 ; Leominster, —— ; Hyde Park, —— ; Marlborough, 7.64 ; Melrose, —— ; Westfield, 19.94 ; Framingham, 12.87 ; Revere, 48.10 ; Gardner, 27.03 ; Weymouth, 22.62 ; Southbridge, 9.59 ; Watertown, ——.

The total death rate for the week was 17.40, as compared with 17.02 and 18.51 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 23, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	63	Measles, ...	41
Diphtheria and croup, ...	77	Typhoid fever, ...	66
Small-pox, ...	14		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 23, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
ınday, . . 17,	29.80	63	72	54	60	60	60	N. W.	N.	10	4	C.	C.			0.00
ıonday, . . 18,	29.83	63	72	54	61	71	66	W.	W.	12	10	F.	O.			0.00
uesday, . . 19,	29.84	60	64	57	72	94	83	N. W.	W.	3	5	R.	F.			0.29
Vednesday, . 20,	30.00	63	70	56	70	69	70	N. W.	S.	5	7	C.	F.			0.00
hursday, . . 21,	29.96	66	72	61	75	79	77	S.	S.	6	12	F.	O.			0.01
riday, . . 22,	29.82	66	72	60	82	95	88	S. W.	E.	7	3	C.	F.			T
ıturday, . . 23,	29.86	64	71	56	89	86	88	N. W.	N.	19	5	F.	C.			0.14
Week, . . .	29.87		70	57			76									0.44

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 30, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 35.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

Henry P. Walcott, M.D., Cambridge, *Chairman.*
Julian A. Mead, M.D., Watertown.
Hiram F. Mills, C.E., Lawrence.
Gerard C. Tobey, Esq., Wareham.
James W. Hull, Pittsfield.
Charles H. Porter, Quincy.
John W. Bartol, M.D., Boston.

Samuel W. Abbott, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 30, 1902.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	215	76	74	10	26	2	4	35
Worcester,	127,337	23	9	5	1	3	..	..	1
Fall River,	111,872	52	42	30	..	1	2	..	22
Lowell,	99,574	30	9	8	..	2	..	1	3
Cambridge,	96,334	19	9	8	3	2	..	1	5
Lynn,	71,144	19	5	2	1	..	..	..	2
Lawrence,	67,275	28	15	4	3	2	..	..	..
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	12	3	3	1	..	..	..	3
New Bedford,	65,574	25	13	3	1	2	..	..	..
Holyoke,	48,065	11	4	3	..	1	1	..	1
Brockton,	43,208	10	..	1	..	..	..	..	..
Haverhill,	40,392	8	2	2	..	..	..	..	2
Salem,	36,567	16	3	2	4	..	..	..	2
Newton,	36,336	12	3	3	1	..	..	..	3
Malden,	35,390	10	4	1	..	1	..	..	..
Chelsea,	35,264	14	5	2	..	1	..	..	1
Fitchburg,	33,848	7	2	..	..	..	..	..	..
Taunton,	32,759	..	..	..	..	..	..	..	..
Everett,	27,114	5	2	1	..	1	..	..	..
North Adams,	26,583	11	3	3	1	1	..	1	1
Gloucester,	26,121	13	5	1	..	..	..	1	..
Quincy,	25,307	8	4	4	1	1	..	..	2
Waltham,	24,612	5	..	1	..	1	..	..	..
Pittsfield,	22,311	6	2	1	..	..	..	..	1
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	13	7	1	2	..	1	..	..
Medford,	20,014	4	1	1	1	..	..	..	1
Northampton,	19,460	3	2	..	..	..	..	..	..
Beverly,	14,814	1	..	..	..	..	..	..	..
Clinton,	14,645	5	4	..	..	..	..	..	..
Newburyport,	14,478	7	5	2	..	..	..	..	1
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	2	..	..	..	..	..	..
Melrose,	13,384	..	..	..	..	..	..	..	..
Westfield,	13,038	3	1	1	..	..	..	..	1
Framingham,	12,109	3	2	1	..	..	..	..	..
Revere,	11,894	4	2	1	..	1	..	..	..
Gardner,	11,544	4	..	3	..	..	..	..	3
Weymouth,	11,337	5	2	3	..	1	..	..	..
Southbridge,	10,838	..	..	..	..	..	..	..	..
Watertown,	10,600	5	1	1	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,942,772	620	249	176	31	47	6	8	91

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and seventy-six deaths were reported from the principal infectious diseases : measles, 3 ; scarlet fever, 3 ; cerebro-spinal meningitis, 7 ; diphtheria and croup, 6 ; whooping-cough, 8 ; typhoid fever, 8 ; diarrhœal diseases, 91 ; small-pox, 1.

No deaths were reported from erysipelas, malarial fever or influenza.

There were 47 deaths from consumption, acute lung diseases, 31, still-births, 40.

Deaths under five years of age numbered 249, as compared with 320 for the preceding week.

Deaths from the principal infectious diseases numbered 176, as compared with 264 for the preceding week.

The death rates for the week were : Boston, 18.99 ; Worcester, 9.39 ; Fall River, 24.16 ; Lowell, 15.67 ; Cambridge, 9.22 ; Lynn, 12.48 ; Lawrence, 21.64 ; Springfield, —— ; Somerville, 9.47 ; New Bedford, 19.83 ; Holyoke, 11.90 ; Brockton, 12.03 ; Haverhill, 10.30 ; Salem, 22.74 ; Newton, 17.17 ; Malden, 14.69 ; Chelsea, 20.64 ; Fitchburg, 10.75 ; Taunton, —— ; Everett, 9.59 ; North Adams, 21.53 ; Gloucester, 25.86 ; Quincy, 16.48 ; Waltham, 15.65 ; Pittsfield, 13.98 ; Brookline, —— ; Chicopee, 33.13 ; Medford, 10.40 ; Northampton, 8.00 ; Beverly, 3.51 ; Clinton, 17.81 ; Newburyport, 25.10 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, 15.31 ; Melrose, —— ; Westfield, 12.00 ; Framingham, 12.89 ; Revere, 17.48 ; Gardner, 18.09 ; Weymouth, 23.01 ; Watertown, 24.53.

The total death rate for the week was 16.59, as compared with 17.40 and 17.02 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 30, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	50	Measles, ...	38
Diphtheria and croup, ...	105	Typhoid fever, ...	53
Small-pox, ...	15		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 30, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 24,	29.98	64	69	60	75	79	77	N.	W.	5	5		C.	C.			0.05
Monday, . . 25,	29.92	70	81	58	76	66	71	N. W.	W.	7	7		C.	C.			0.00
Tuesday, . . 26,	30.00	71	79	63	65	70	68	W.	S. E.	8	4		C.	C.			0.00
Wednesday, . 27,	30.24	63	67	59	62	83	72	N. E.	N. E.	14	5		F.	C.			0.00
Thursday, . . 28,	30.26	64	69	58	69	84	76	N. E.	E.	8	4		O.	C.			0.00
Friday, . . 29,	30.18	69	78	60	78	74	76	W.	S.	8	9		F.	C.			0.00
Saturday, . . 30,	30.06	72	83	62	95	82	88	S. W.	S.	8	10		O.	C.			0.00
Week, . . .	30.09		75	60			75										0.05

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 6, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 36.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 6, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	204	83	73	15	20	2	5	34
Worcester,	127,337	36	16	12	2	4	..	..	5
Fall River,	111,872	37	21	13	1	3	..	1	5
Lowell,	99,574	35	17	12	..	1	2	2	7
Cambridge,	96,334	25	8	11	3	5	1	..	4
Lynn,	71,144	14	5	6	..	2	..	..	2
Lawrence,	67,275	29	12	12	1	5	..	1	6
Springfield,	66,854	24	10	6	1	2	..	..	3
Somerville,	65,882	19	7	5	..	1	..	1	2
New Bedford,	65,574	23	10	3	2	2	..	1	..
Holyoke,	48,065	..	..	..	..	..	..	..	..
Brockton,	43,208	8	1	1	..	1	..	..	..
Haverhill,	40,392	17	7	4	..	1	..	..	2
Salem,	36,567	11	1	..	..	..	..	..	..
Newton,	36,336	6	4	3	1	..	..	..	3
Malden,	35,390	11	4	2	..	2	..	..	..
Chelsea,	35,264	15	5	2	..	2	..	..	..
Fitchburg,	33,848	..	..	..	..	..	..	..	..
Taunton,	32,759	13	3	2	..	..	..	..	2
Everett,	27,114	9	1	2	..	1	..	..	..
North Adams,	26,583	10	6	6	..	..	1	..	2
Gloucester,	26,121	6	1	..	..	..	..	..	..
Quincy,	25,307	4	3	3	..	1	..	..	2
Waltham,	24,612	3	1	..	..	..	..	..	..
Pittsfield,	22,311	5	..	1	..	..	..	..	1
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	8	4	3	..	1	..	..	2
Medford,	20,014	6	3	2	..	1	..	..	..
Northampton,	19,460	4	..	..	..	..	..	..	..
Beverly,	14,814	3	..	..	..	..	..	..	..
Clinton,	14,645	5	1	1	..	..	..	..	1
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,285	3	2	2	1	..	..	..	2
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	2	1	..	1	..	..	..
Melrose,	13,384	3	..	2	..	1	..	1	..
Westfield,	13,038	6	3	3	1	..	..	..	3
Framingham,	12,109	5	..	1	..	..	1	..	..
Revere,	11,894	3	1	1	..	..	..	..	..
Gardner,	11,544	3	2	2	..	..	..	..	1
Weymouth,	11,337	6	1	4	..	1	..	..	2
Southbridge,	10,838	4	1	1	..	..	..	..	1
Watertown,	10,600	2	1	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,984,501	630	247	203	28	58	7	12	92

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

Two hundred and three deaths were reported from the principal infectious diseases : scarlet fever, 5 ; cerebro-spinal meningitis, 5 ; diphtheria and croup, 7 ; whooping-cough, 13 ; erysipelas, 1 ; typhoid fever, 12 ; diarrhœal diseases, 92 ; small-pox, 3 ; puerperal fever, 3.

No deaths were reported from measles, malarial fever or influenza.

There were 58 deaths from consumption, acute lung diseases, 28, still-births, 39.

From scarlet fever : Boston, 3 ; Fall River and Everett, 1 each. From cerebro-spinal meningitis : Worcester, Somerville, North Adams, Gardner and Watertown, 1 each. From whooping-cough : Boston, 5 ; Worcester and Fall River, 2 each ; Cambridge, Springfield, Haverhill and Medford, 1 each. From small-pox : Boston, 2 ; Revere, 1.

Deaths under five years of age numbered 247, as compared with 249 for the preceding week.

Deaths from the principal infectious diseases numbered 203, as compared with 176 for the preceding week.

The death rates for the week were : Boston, 18.03 ; Worcester, 14.70 ; Fall River, 17.19 ; Lowell, 18.27 ; Cambridge, 13.50 ; Lynn, 10.23 ; Lawrence, 22.41 ; Springfield, 18.65 ; Somerville, 14.99 ; New Bedford, 18.23 ; Holyoke, —— ; Brockton, 9.63 ; Haverhill, 21.88 ; Salem, 15.63 ; Newton, 8.60 ; Malden, 16.16 ; Chelsea, —— ; Fitchburg, —— ; Taunton, 20.61 ; Everett, 17.27 ; North Adams, 19.55 ; Gloucester, 11.95 ; Quincy, 8.22 ; Waltham, 6.34 ; Pittsfield, 11.66 ; Brookline, —— ; Chicopee, 20.39 ; Medford, 15.60 ; Northampton, 10.67 ; Beverly, 10.54 ; Clinton, 17.81 ; Newburyport, —— ; Woburn, 10.91 ; Marlborough, 19.12 ; Melrose, 11.64 ; Westfield, 24.00 ; Framingham, 21.49 ; Revere, 13.11 ; Gardner, 13.57 ; Weymouth, 27.61 ; Southbridge, 19.26 ; Watertown, 9.81.

The total death rate for the week was 16.51, as compared with 16.59 and 17.40 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 6, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	57	Measles, ...	31
Diphtheria and croup, ...	92	Typhoid fever, ...	100
Small-pox, ...	14		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 6, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 31,	30.06	72	83	62	95	82		88	S. W.	S.	8	10		O.	C.			0.00
Monday, . . 1,	29.93	78	89	67	86	80		83	S. W.	S. W.	10	14		C.	O.			0.00
Tuesday, . . 2,	29.92	75	86	64	88	42		65	S. W.	W.	12	10		O.	C.			0.07
Wednesday, . 3,	30.06	69	79	59	56	72		64	N.	S.	2	8		C.	O.			0.00
Thursday, . . 4,	29.82	70	79	61	93	66		80	S.	W.	12	7		R.	O.			0.62
Friday, . . 5,	30.13	60	67	54	60	48		54	N. W.	N.	18	9		C.	C.			0.00
Saturday, . . 6,	30.39	56	63	48	63	69		66	N. E.	S. E.	3	15		C.	C.			0.00
Week, . . .	30.04		78	59				71										0.69

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 13, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 37.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 13, 1902.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	183	68	58	12	16	1	3	29
Worcester,	127,337	43	20	12	..	2	..	..	8
Fall River,	111,872	54	27	17	2	5	..	..	11
Lowell,	99,574	51	23	15	4	5	3	..	7
Cambridge,	96,334	29	11	9	..	2	..	..	4
Lynn,	71,144	22	10	2	..	..	..	..	2
Lawrence,	67,275	23	9	10	..	2	..	2	5
Springfield,	66,854	25	9	8	..	3	1	..	4
Somerville,	65,882	13	5	2	1	..	..	..	2
New Bedford,	65,574	20	13	9	1	1	..	..	8
Holyoke,	48,065	19	7	10	1	2	1	..	7
Brockton,	43,208	10	6	..	..	..	..	..	..
Haverhill,	40,392	5	2	2	..	..	..	1	1
Salem,	36,567	17	7	1	1	1	..	..	..
Newton,	36,336	10	3	3	..	3	..	..	..
Malden,	35,390	10	3	..	..	..	..	..	..
Chelsea,	35,264	8	1	1	..	1	..	..	..
Fitchburg,	33,848	..	..	..	..	..	..	..	..
Taunton,	32,759	15	6	3	..	..	..	..	3
Everett,	27,114	8	4	4	..	..	..	1	2
North Adams,	26,583	10	5	4	..	1	1	..	2
Gloucester,	26,121	13	9	4	..	..	1	..	..
Quincy,	25,307	10	4	4	..	1	..	..	3
Waltham,	24,612	10	2	1	1	..	..	..	1
Pittsfield,	22,311	5	..	3	1	2	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	7	3	1	..	..	..	..	1
Medford,	20,014	2	..	..	..	..	..	..	..
Northampton,	19,460	5	2	..	..	..	..	..	..
Beverly,	14,814	3	2	..	..	..	..	..	..
Clinton,	14,645	1	..	..	..	..	..	..	..
Newburyport,	14,478	6	3	..	2	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Melrose,	13,384	3	1	..	..	..	..	..	..
Westfield,	13,038	2	1	..	..	..	..	..	..
Framingham,	12,109	3	..	..	1	..	..	..	..
Revere,	11,894	3	3	..	..	..	..	..	..
Gardner,	11,544	3	1	2	1	..	..	..	2
Weymouth,	11,337	7	2	2	..	1	..	..	1
Southbridge,	10,838	2	1	1	..	..	..	..	1
Watertown,	10,600	5	1	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,032,759	667	274	189	28	49	8	7	104

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and eighty-nine deaths were reported from the principal infectious diseases : measles, 2 ; scarlet fever, 5 ; cerebro-spinal meningitis, 7 ; diphtheria and croup, 8 ; whooping-cough, 3 ; typhoid fever, 7 ; puerperal fever, 1 ; diarrhœal diseases, 104 ; small-pox, 3.

No deaths were reported from erysipelas, malarial fever or influenza.

There were 49 deaths from consumption, acute lung diseases, 28, still-births, 41.

From measles : Boston and Lawrence, 1 each. From scarlet fever : Boston and Fall River, 1 each ; Cambridge, 3. From cerebro-spinal meningitis : Worcester, 2 ; Gloucester, 3 ; Everett and Pittsfield, 1 each. From whooping-cough : Boston, 3. From small-pox : Boston, 3.

Deaths under five years of age numbered 272, as compared with 247 for the preceding week.

Deaths from the principal infectious diseases numbered 189, as compared with 203 for the preceding week.

The death rates for the week were : Boston, 16.16 ; Worcester, 17.56 ; Fall River, 25.10 ; Lowell, 26.62 ; Cambridge, 15.65 ; Lynn, 16.03 ; Lawrence, 17.77 ; Springfield, 19.45 ; Somerville, 10.26 ; New Bedford, 15.86 ; Holyoke, 20.54 ; Brockton, 12.00 ; Haverhill, 6.42 ; Salem, 24.12 ; Newton, 14.30 ; Malden, 14.46 ; Chelsea, 11.97 ; Fitchburg, —— ; Taunton, 23.79 ; Everett, 15.35 ; North Adams, 19.55 ; Gloucester, 25.88 ; Quincy, 20.54 ; Waltham, 21.11 ; Pittsfield, 11.65 ; Brookline, —— ; Chicopee, 17.84 ; Medford, 5.20 ; Northampton, 13.36 ; Beverly, 10.53 ; Clinton, 3.55 ; Newburyport, 21.53 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, 7.64 ; Melrose, 11.65 ; Westfield, 7.98 ; Framingham, 12.87 ; Revere, 13.12 ; Gardner, 13.52 ; Weymouth, 29.66 : Southbridge, 9.59 ; Watertown, 24.52.

The total death rate for the week was 17.06, as compared with 16.51 and for 16.59 the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 13, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	61	Measles,	32
Diphtheria and croup,	95	Typhoid fever,	120
		Small-pox,	18

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 6, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 7,	30.10	66	74	58	79	88	84	S.	S. W.	12	13		O.	C.			0.12
Monday, 8,	30.09	70	80	61	75	60	68	W.	S. W.	7	12		C.	C.			0.00
Tuesday, 9,	29.88	70	80	61	92	93	92	S.	S. E.	10	20		O.	R.			0.05
Wednesday, 10,	29.89	64	71	56	91	57	74	W.	N. W.	9	9		O.	C.			0.10
Thursday, 11,	30.15	62	71	53	78	77	78	W.	S.	4	8		F.	C.			0.00
Friday, 12,	30.22	66	76	56	79	65	72	S. W.	S.	5	10		C.	C.			0.00
Saturday, 13,	30.04	61	68	54	87	95	91	E.	S. W.	10	8		O.	O.			0.11
Week,	30.05		74	57			80										0.38

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of August, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	427	101	528	Maple Syrup, .	2	..	2
Butter, . . .	16	2	18	Canned Goods, .	..	1	1
Cheese, . . .	1	..	1	Honey, . . .	..	..	..
Lard, . . .	2	..	2	Tea, . . .	9	..	9
Olive Oil, . . .	..	..	..	Coffee, . . .	18	..	18
Vinegar, . . .	1	..	1	Cocoa and Chocolate,	..	..	..
Spices, . . .	143	12	155	Confectionery, .	..	..	..
Cream of Tartar, .	44	..	44	Condensed Milk, .	2	..	2
Molasses, . . .	..	..	..	Miscellaneous, .	3	..	3
Syrups, . . .	..	..	..	Drugs, . . .	59	40	99
Maple Sugar, . .	..	..	..				
				Totals, . .	727	156	883

Percentage of adulteration, 17.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 19.1 per cent., while the percentage of articles of food was 5.9 per cent.

Ten complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

The samples of drugs found to be adulterated were Acidum Tannicum, Alcohol, Aqua Ammonia, Aqua Destillata, Capsicum, Cera Flava, Chloroformum, Glycerinum, Oleum Limonis, Oleum Olivæ, Sodii Boras, Sodii Phosphas, Spiritus Frumenti, Syrupus, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Cambridge, Somerville, Holyoke, Salem, Newton, Braintree, Attleborough, Revere, Dedham, Fitchburg, Everett, Malden, Chelsea, Brockton, Medford, New Bedford, Worcester, Gloucester, Beverly, Marlborough, Ware, Middleborough, Swampscott, Manchester, Onset, Hyde Park, Taunton, Stoughton, Milford, Needham, Quincy and Woburn.

RECORD OF PROSECUTIONS IN AUGUST, 1902.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	August 9,	James R. Carty,	Somerville,	Milk,	*Conviction.
2	August 11,	Edgar W. Butterworth,	Salem,	Renovated Butter,	Discharged.
3	August 12,	Ed. H. McGowan,	Brockton,	Alcohol,	*Conviction.
4	August 12,	Vincent J. Fitzsimon,	Brockton,	Alcohol,	†Conviction.
5	August 12,	Frank Pierson,	Brockton,	Alcohol,	*Conviction.
6	August 14,	Robert S. Hatton,	Salem,	Renovated Butter,	†Conviction.
7	August 26,	Jesse F. Dodge,	Beverly,	Colored Milk,	*Plead Guilty.
8	August 26,	Jesse F. Dodge,	Beverly,	Milk,	†Plead Guilty.
9	August 30,	J. Oscar Goodale,	Peabody,	Milk,	‡Plead Guilty.
10	August 30,	J. Oscar Goodale,	Peabody,	Colored Milk,	‡Plead Guilty.

* Fined. † Placed on file. ‡ Placed on file on payment of costs.

Notes on the Foregoing Cases.

Amount of fines, $275.00.

The total solids in samples of milk upon which the foregoing cases were entered were as follows: — 11.27 — 10.93 and 9.94.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 20, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 38.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 20, 1902.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	203	81	78	16	16	4	6	41
Worcester,	127,337	24	6	7	..	4	..	..	2
Fall River,	111,872	44	31	25	4	1	..	..	21
Lowell,	99,574	31	13	9	2	4	..	..	4
Cambridge,	96,334	30	9	..	..	..	..	..	..
Lynn,	71,144	20	7	5	..	2	..	1	1
Lawrence,	67,275	18	12	9	1	6	..	..	3
Springfield,	66,854	9	1	..	..	..	..	..	..
Somerville,	65,882	14	6	1	1	1	..	..	..
New Bedford,	65,574	39	21	22	1	3	..	2	17
Holyoke,	48,065	8	5	4	..	1	..	1	2
Brockton,	43,208	9	3	..	..	..	..	..	..
Haverhill,	40,392	16	3	3	1	3	..	..	..
Salem,	36,567	9	3	..	..	..	..	..	..
Newton,	36,336	6	2	1	..	..	..	..	1
Malden,	35,390	9	1	2	..	2	..	..	..
Chelsea,	35,264	12	4	..	..	..	..	..	..
Fitchburg,	33,848	11	9	..	..	..	..	..	..
Taunton,	32,759	14	4	5	..	2	..	..	3
Everett,	27,114	8	5	1	..	..	..	1	..
North Adams,	26,583	6	..	1	..	..	..	1	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	4	1	1	..	..	..	..	1
Waltham,	24,612	4	..	1	..	..	..	1	..
Pittsfield,	22,311	6	1	1	1	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	7	4	3	..	..	2	..	1
Medford,	20,014	4	2	1	..	..	..	..	1
Northampton,	19,460	4	1	..	..	..	..	..	..
Beverly,	14,814	6	1	..	1	..	..	..	..
Clinton,	14,645	9	0	4	..	3	..	..	1
Newburyport,	14,478	3	1	1	..	..	..	..	1
Woburn,	14,285	3	1	1	..	..	..	..	1
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,639	3	0	2	..	1	..	..	1
Melrose,	13,384	2	..	..	..	..	..	..	..
Westfield,	13,038	3	..	..	..	..	..	..	..
Framingham,	12,109	5	2	3	..	..	1	..	2
Revere,	11,894	3	..	1	..	1	..	..	..
Gardner,	11,544	4	1	2	..	..	..	..	2
Weymouth,	11,337	3	0	..	..	..	..	..	..
Southbridge,	10,838	7	5	5	..	1	..	..	3
Watertown,	10,600	2	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,054,771	622	246	199	28	51	7	13	109

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and ninety-nine deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 5 ; cerebro-spinal meningitis, 5 ; diphtheria and croup, 7 ; whooping-cough, 4 ; erysipelas, 2 ; typhoid fever, 13 ; diarrhœal diseases, 109 ; small-pox, 1 ; malarial fever, 1.

No deaths were reported from puerperal fever, or influenza.

There were 51 deaths from consumption, acute lung diseases, 28, still-births, 34.

From measles : Lowell, 1. From scarlet fever : Boston, 1 ; Fall River, 3 ; Lynn, 1. From cerebro-spinal meningitis : Boston, 2 ; Worcester, Waltham and Southbridge, 1 each. From whooping-cough : Boston, 4. From erysipelas : Boston, 2. From small-pox : Boston, 1. From malaria : Boston, 1.

Deaths under five years of age numbered 245, as compared with 274 for the preceding week.

Deaths from the principal infectious diseases numbered 199, as compared with 189 for the preceding week.

The death rates for the week were : Boston, 17.92 ; Worcester, 9.80 ; Fall River, 20.45 ; Lowell, 16.18 ; Cambridge, 16.19 ; Lynn, 14.57 ; Lawrence, 13.91 ; Springfield, 7.00 ; Somerville, 11.05 ; New Bedford, 30.92 ; Holyoke, 8.65 ; Brockton, 10.81 ; Haverhill, 20.54 ; Salem, 12.77 ; Newton, 8.58 ; Malden, 13.01 ; Chelsea, 17.65 ; Fitchburg, 16.93 ; Taunton, 22.20 ; Everett, 15.93 ; North Adams, 11.73 ; Gloucester, —— ; Quincy, 8.81 ; Waltham, 8.44 ; Pittsfield, 13.97 ; Brookline, —— ; Chicopee, 17.84 ; Medford, 10.40 ; Northampton, 10.69 ; Beverly, 21.06 ; Clinton, 31.96 ; Newburyport, 10.76 ; Woburn, 10.92 ; Leominster, —— ; Hyde Park, —— ; Marlborough, 11.46 ; Melrose, 7.77 ; Westfield, 11.96 ; Framingham, 21.45 ; Revere, 13.12 ; Gardner, 18.02 ; Weymouth, 13.57 ; Southbridge, 33.54 ; Watertown, 9.81.

The total death rate for the week was 17.01, as compared with 17.06 and 16.51 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 20, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	60	Measles, ...	24
Diphtheria and croup, ...	124	Typhoid fever, ...	105
Small-pox, ...	19		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Sept. 6, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 14,	30.14	60	67	52	70	63	66	N. W.	N.	12	10	C.	C.		0.13
Monday, . . 15,	30.22	54	60	47	65	62	64	N. W.	S.	6	4	C.	C.		0.00
Tuesday, . . 16,	30.30	58	67	48	73	68	70	N. W.	O.	5	0	F.	F.		0.00
Wednesday, . 17,	30.36	58	65	52	80	88	84	N.	N. E.	5	8	C.	O.		0.00
Thursday, . . 18,	30.30	60	62	58	91	94	92	N. E.	N. E.	15	12	O.	R.		T
Friday, . . 19,	30.25	63	66	60	100	94	97	N. E.	E.	10	9	G.	O.		0.02
Saturday, . . 20,	30.34	61	63	59	97	100	98	N. E.	N. E.	9	9	O.	R.		T
Week, . . .	30.27		64	54			82								0.15

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 27, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 39.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 27, 1902.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Prineipal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	196	58	64	16	23	2	4	29
Worcester,	127,337	33	8	6	..	2	..	..	3
Fall River,	111,872	37	17	9	4	5	..	..	3
Lowell,	99,574	45	19	11	5	4	..	1	6
Cambridge,	96,334	23	9	..	..	..	..	..	..
Lynn,	71,144	24	9	4	..	..	1	1	2
Lawrence,	67,275	19	10	7	2	2	..	1	2
Springfield,	66,854	13	5	2	2	1	1	..	..
Somerville,	65,882	8	2	..	..	..	..	..	..
New Bedford,	65,574	29	17	10	2	1	..	1	8
Holyoke,	48,065	16	4	6	..	3	..	..	3
Brockton,	43,208	5	1	1	..	..	..	..	..
Haverhill,	40,392	9	2	3	..	1	1	..	1
Salem,	36,567	..	..	..	..	..	..	..	..
Newton,	36,336	10	3	1	2	..	..	..	1
Malden,	35,390	4	1	1	..	..	..	1	..
Chelsea,	35,264	7	2	2	..	2	..	..	..
Fitchburg,	33,848	7	4	..	..	..	..	..	..
Taunton,	32,759	12	1	5	..	3	..	..	2
Everett,	27,114	3	3	..	..	..	..	..	..
North Adams,	26,583	3	1	1	..	1	..	..	..
Gloucester,	26,121	2	1	2	..	1	..	..	..
Quincy,	25,307	9	..	6	..	1	..	..	5
Waltham,	24,612	7	2	2	..	1	..	1	..
Pittsfield,	22,311	5	1	1	..	..	..	1	..
Brookline,	21,679	4	2	..	..	..	..	..	..
Chicopee,	20,390	10	7	1	..	..	..	..	1
Medford,	20,014	7	3	..	..	..	..	..	..
Northampton,	19,460	3	0	1	..	1	..	..	..
Beverly,	14,814	5	2	..	..	..	..	..	..
Clinton,	14,645	0	..	..	..	..	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Melrose,	13,384	..	..	..	..	..	..	..	..
Westfield,	13,038	3	2	1	..	..	..	..	1
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	1	..	..	..	..	..	..	..
Gardner,	11,544	3	1	1	..	..	..	..	1
Weymouth,	11,337	2	..	1	..	1	..	..	..
Southbridge,	10,838	2	1	..	..	..	..	..	..
Watertown,	10,600	5	1	1	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,998,139	571	199	150	34	53	5	11	69

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and fifty deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 5; diphtheria and croup, 5; whooping-cough, 3; typhoid fever, 11; diarrhœal diseases, 69; small-pox, 2.

No deaths were reported from erysipelas, puerperal fever, malarial fever, or influenza.

There were 53 deaths from consumption, acute lung diseases, 34, still-births, 38.

From measles: Lawrence, 1. From scarlet fever: Fall River, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, Brockton and Gloucester, 1 each. From whooping-cough: Boston, 2; Lawrence, 1. From small-pox: Boston, 2.

Deaths under five years of age numbered 199, as compared with 246 for the preceding week.

Deaths from the principal infectious diseases numbered 150, as compared with 199 for the preceding week.

The death rates for the week were: Boston, 17.30; Worcester, 13.49; Fall River, 17.20; Lowell, 23.49; Cambridge, 12.41; Lynn, 17.48; Lawrence, 14.68; Springfield, 10.11; Somerville, 6.31; New Bedford, 23.00; Holyoke, 17.30; Brockton, 6.00; Haverhill, 11.56; Salem, ——; Newton, 14.30; Malden, 5.78; Chelsea, 10.30; Fitchburg, 10.77; Taunton, 19.03; Everett, 5.75; North Adams, 5.86; Gloucester, 3.98; Quincy, 18.48; Waltham, 14.78; Pittsfield, 11.64; Brookline, 9.57; Chicopee, 25.48; Medford, 18.20; Northampton, 8.02; Beverly, 17.55; Clinton, ——; Newburyport, ——; Woburn, ——; Leominster, ——; Hyde Park, ——; Marlborough, ——; Melrose, ——; Westfield, 11.96; Framingham, ——; Revere, 4.37; Gardner, 13.52; Weymouth, 9.05; Southbridge, 9.59; Watertown, 24.52.

The total death rate for the week was 14.86, as compared with 17.01 and 17.06 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 27, 1902.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	84	Measles,	36
Diphtheria and croup,	127	Typhoid fever,	115
Small-pox,	28		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 27, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 21,	30.34	60	62	58	94	97	96	N. E.	N. E.	6	6		O.	O.			T
Monday, . . 22,	30.14	61	63	59	89	97	93	E.	E.	8	4		O.	O.			0.00
Tuesday, . . 23,	29.95	63	70	56	98	83	90	N. E.	S.	1	8		G.	C.			0.00
Wednesday, . 24,	30.04	59	68	50	76	55	66	N.	N.	15	14		O.	C.			0.00
Thursday, . . 25,	30.29	52	56	47	69	73	71	N.	S. E.	5	5		O.	O.			0.00
Friday, . . 26,	30.18	56	60	53	74	89	82	S. E	E.	7	9		O.	O.			T
Saturday, . . 27,	29.89	62	64	60	97	100	98	N. E.	E.	9	4		O.	G.			0.32
Week, . . .	30.12		63	55			85										0.32

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 4, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 40.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 4, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	225	87	65	19	19	2	6	26
Worcester,	127,337	34	11	8	1	2	..	1	3
Fall River,	111,872	36	24	10	4	3	..	..	6
Lowell,	99,574	26	7	7	5	1	2	1	2
Cambridge,	96,334	22	9	..	..	..	..	..	..
Lynn,	71,144	16	4	1	..	1	..	..	..
Lawrence,	67,275	25	15	5	2	..	..	..	4
Springfield,	66,854	25	5	5	1	2	..	1	2
Somerville,	65,882	..	..	..	..	..	..	..	..
New Bedford,	65,574	32	21	12	3	2	..	2	8
Holyoke,	48,065	11	4	4	1	2	..	..	2
Brockton,	43,208	9	1	1	..	1	..	..	..
Haverhill,	40,392	12	1	3	..	2	..	..	1
Salem,	36,567	13	6	4	..	4	..	..	..
Newton,	36,336	4	1	1	..	1	..	..	..
Malden,	35,390	11	3	2	..	2	..	..	..
Chelsea,	35,264	21	9	2	1	1	..	..	..
Fitchburg,	33,848	10	5	4	1	1	..	2	..
Taunton,	32,759	14	3	3	..	..	..	..	3
Everett,	27,114	9	4	2	1	..	..	..	..
North Adams,	26,583	6	1	2	1	2	..	..	..
Gloucester,	26,121	3	2	1	..	..	1	..	..
Quincy,	25,307	8	3	3	1	1	1	..	1
Waltham,	24,612	3	..	1	..	1	..	..	..
Pittsfield,	22,311	6	..	1	..	..	1	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	6	4	..	1	..	..	..	..
Medford,	20,014	3	2	..	..	..	..	..	..
Northampton,	19,460	5	0	2	..	2	..	..	..
Beverly,	14,814	2	..	..	..	..	..	..	..
Clinton,	14,645	8	..	2	..	1	..	1	..
Newburyport,	14,478	4	1	1	1	..	..	..	1
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	1	..	..	..	..	..	..
Melrose,	13,384	6	..	2	1	1	..	..	1
Westfield,	13,038	7	7	1	3	..	1	..	..
Framingham,	12,109	8	1	1	..	1	..	..	..
Revere,	11,894	1	..	1	..	..	..	1	..
Gardner,	11,544	1	1	1	..	..	..	..	..
Weymouth,	11,337	..	..	..	..	..	..	..	..
Southbridge,	10,838	5	1	3	1	1	..	1	1
Watertown,	10,600	3	3	1	..	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,989,388	643	247	162	48	54	8	16	62

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and sixty-two deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 4; cerebro-spinal meningitis, 3; diphtheria and croup, 8; whooping-cough, 8; typhoid fever, 16; puerperal fever, 1; malarial fever, 1; diarrhœal diseases, 62; small-pox, 4.

No deaths were reported from erysipelas or influenza.

There were 54 deaths from consumption, acute lung diseases, 48, still-births, 50.

From measles: Fitchburg, 1. From scarlet fever: Boston, Worcester, Fall River and Lowell, 1 each. From cerebro-spinal meningitis: Worcester, Chelsea and Gardner, 1 each. From whooping-cough: Boston, 6; Lawrence and Everett, 1 each. From small-pox: Boston, 3; Everett, 1.

Deaths under five years of age numbered 247, as compared with 199 for the preceding week.

Deaths from the principal infectious diseases numbered 162, as compared with 150 for the preceding week.

The death rates for the week were: Boston, 19.86; Worcester, 13.88; Fall River, 16.73; Lowell, 13.57; Cambridge, 11.87; Lynn, 11.65; Lawrence, 19.32; Springfield, 19.45; Somerville, ——; New Bedford, 25.37; Holyoke, 11.89; Brockton, 10.81; Haverhill, 15.40; Salem, 18.45; Newton, 5.72; Malden, 15.90; Chelsea, 30.89; Fitchburg, 15.39; Taunton, 22.20; Everett, 17.26; North Adams, 11.73; Gloucester, 5.97; Quincy, 16.43; Waltham, 6.33; Pittsfield, 13.97; Brookline, ——; Chicopee, 15.29; Medford, 7.80; Northampton, 13.36; Beverly, 7.02; Clinton, 28.40; Newburyport, 14.35; Woburn, ——; Leominster, ——; Hyde Park, ——; Marlborough, 11.46; Melrose, 23.30; Westfield, 27.92; Framingham, 34.32; Revere, 4.37; Gardner, 4.50; Weymouth, ——; Southbridge, 23.97; Watertown, 14.71.

The total death rate for the week was 16.80, as compared with 14.86 and 17.01 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 4, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	82	Measles,	39
Diphtheria and croup,	160	Typhoid fever,	101
Small-pox,	21		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 4, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
unday, . Sept. 28,	29.78	63	66	60	100	95	98	W.	E.	3	7	O.	O.		0.01
Ionday, . . 29,	29.76	62	66	58	100	97	98	E.	N.	7	10	G.	R.		0.53
uesday, . . 30,	29.78	60	63	58	94	98	96	N. E.	N. E.	15	7	O.	R.		T
Vednesday, Oct. 1,	29.72	59	60	58	100	94	97	N. E.	N. E.	14	8	R.	O.		0.62
hursday, . . 2,	29.98	64	70	58	92	76	84	N.	E.	5	2	O.	O.		0.00
riday, . . 3,	30.05	62	65	58	68	79	74	N. W.	S. E.	8	2	F.	O.		0.00
aturday, . . 4,	30.08	58	62	54	54	60	57	N.	S.	12	6	F.	C.		0.00
Week, . . .	29.88		65	58			86								1.16

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 11, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 41.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 11, 1902.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	203	71	65	20	24	5	5	21
Worcester,	127,337	25	10	9	2	4	..	2	3
Fall River,	111,872	39	24	18	4	4	1	1	10
Lowell,	99,574	34	14	6	5	3	1	1	1
Cambridge,	96,334	28	11	2	..	1	..	..	1
Lynn,	71,144	12	9	..	..	..	..	..	..
Lawrence,	67,275	19	12	9	2	4	..	1	4
Springfield,	66,854	10	5	4	..	2	..	..	2
Somerville,	65,882	11	4	4	3	2	..	1	1
New Bedford,	65,574	31	18	16	1	3	1	..	10
Holyoke,	48,065	13	8	3	1	1	..	..	2
Brockton,	43,208	9	0	1	..	1	..	..	..
Haverhill,	40,392	9	1	1	1	..	..	1	..
Salem,	36,567	13	3	..	4	..	..	..	..
Newton,	36,336	9	1	..	..	..	..	..	..
Malden,	35,390	8	4	1	..	1	..	..	..
Chelsea,	35,264	16	7	3	1	1	..	1	..
Fitchburg,	33,848	7	2	1	1	..	1	..	..
Taunton,	32,759	16	7	3	1	1	..	..	2
Everett,	27,114	6	1	1	1	1	..	..	..
North Adams,	26,583	6	4	3	..	1	..	..	1
Gloucester,	26,121	7	2	2	..	1	1	..	..
Quincy,	25,307	5	1	1	1	..	1	..	..
Waltham,	24,612	5	1	..	..	..	..	..	..
Pittsfield,	22,311	9	1	2	..	1	..	1	..
Brookline,	21,679	4	..	..	..	..	..	..	..
Chicopee,	20,390	10	5	4	1	1	2	..	1
Medford,	20,014	2	..	1	..	1	..	..	..
Northampton,	19,460	7	0	2	..	2	..	..	..
Beverly,	14,814	6	1	1	..	..	1	..	..
Clinton,	14,645	7	..	1	1	..	..	..	1
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	6	5	..	..	..	..	..	..
Marlborough,	13,609	2	2	1	..	..	..	..	1
Melrose,	13,384	2	..	1	..	..	1	..	..
Westfield,	13,038	6	1	1	1	..	..	..	..
Framingham,	12,109	3	1	1	..	..	..	..	..
Revere,	11,894	2	1	..	1	..	..	..	..
Gardner,	11,544	6	2	2	..	1	1	..	..
Weymouth,	11,337	4	0	..	..	..	..	..	..
Southbridge,	10,838	5	1	3	1	..	..	..	2
Watertown,	10,600	2	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,087,666	624	241	173	53	61	16	14	63

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and seventy-three deaths were reported from the principal infectious diseases : measles, 2 ; scarlet fever, 5 ; cerebro-spinal meningitis, 4; diphtheria and croup, 16 ; whooping-cough, 5 ; erysipelas, 1 ; typhoid fever, 14 ; diarrhœal diseases, 63 ; small-pox, 2.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 61 deaths from consumption, acute lung diseases, 53, still-births, 33.

From measles : Fall River, 2. From scarlet fever : Boston and New Bedford, 2 each, Chelsea, 1. From cerebro-spinal meningitis : Boston, 2 ; Westfield and Southbridge, 1 each. From whooping-cough : Boston, 4 ; Gloucester 1. From erysipelas : Framingham, 1. From small-pox : Boston, 2.

Deaths under five years of age numbered 241, as compared with 247 for the preceding week.

Deaths from the principal infectious diseases numbered 173, as compared with 162 for the preceding week.

The death rates for the week were : Boston, 17.92 ; Worcester, 10.21 ; Fall River, 18.13 ; Lowell, 17.75 ; Cambridge, 15.11 ; Lynn, 8.74 ; Lawrence, 14.68 ; Springfield, 7.80 ; Somerville, 8.68 ; New Bedford, 24.58 ; Holyoke, 14.05 ; Brockton, 10.80 ; Haverhill, 11.56 ; Salem, 18.44 ; Newton, 12.87 ; Malden, 11.57 ; Chelsea, 23.53 ; Fitchburg, 10.77 ; Taunton, 25.37 ; Everett, 11.51 ; North Adams, 11.73 ; Gloucester, 13.94 ; Quincy, 10.27 ; Waltham, 10.55 ; Pittsfield, 20.96 ; Brookline, 9.57 ; Chicopee, 25.48 ; Medford, 5.20 ; Northampton, 18.70 ; Beverly, 21.00 ; Clinton, 24.85 ; Newburyport, —— ; Woburn, —— ; Leominster, —— ; Hyde Park, 22.49 ; Marlborough, 7.64 ; Melrose, 7.77 ; Westfield, 23.93 ; Framingham, 12.87 ; Revere, 13.12 ; Gardner, 27.03 ; Weymouth, 18.10 ; Southbridge, 23.97 ; Watertown, 9.81.

The total death rate for the week was 15.54, as compared with 16.80 and 14.86 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 11, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	82	Measles, ...	32
Diphtheria and croup, ...	150	Typhoid fever, ...	131
Small-pox, ...	17		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Oct. 11, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 5,	29.94	58	62	54	63	100	82	S.	S. E.	13	10	O.	R.			0.42
Monday, . . 6,	29.63	65	76	54	90	64	77	S.	S. W.	13	10	O.	C.			0.36
Tuesday, . . 7,	29.84	62	72	51	70	73	72	W.	S. W.	10	15	C.	C.			0.00
Wednesday, . 8,	30.02	56	62	50	69	59	64	W.	W.	12	8	C.	C.			0.00
Thursday, . . 9,	30.14	56	69	44	63	58	60	S. W.	N.	14	12	O.	C.			0.00
Friday, . . 10,	30.35	48	59	38	61	61	61	N.	S. W.	10	12	C.	C.			0.00
Saturday, . . 11,	30.01	54	64	44	80	94	87	S. W.	N.	8	8	C.	R.			T
Week, . . .	29.99		66	48			72									0.78

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	427	78	505	Maple Syrup, .	1	..	1
Butter, . . .	14	1	15	Canned Goods, .	..	..	..
Cheese, . . .	5	..	5	Honey, . . .	..	1	1
Lard, . . .	2	1	3	Tea, . . .	3	..	3
Olive Oil, . . .	..	..	..	Coffee, . . .	10	..	10
Vinegar, . . .	4	7	11	Cocoa and Chocolate,	1	..	1
Spices, . . .	112	11	123	Confectionery, .	..	..	..
Cream of Tartar, .	22	..	22	Miscellaneous, .	2	3	5
Molasses, . . .	18	..	18	Drugs, . . .	44	39	83
Syrups, . . .	..	..	..				
Maple Sugar, . .	..	..	..				
				Totals, . .	665	141	806

Percentage of adulteration, 17.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 15.4 per cent., while the percentage of articles of food was 11.0 per cent.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

One complaint was entered for Assault on Officer while in discharge of his duty, and one complaint was entered for violation of Statute Law, Chap. 213, Section 8, relative to the sale of articles containing arsenic.

The samples of drugs found to be adulterated were Aqua Destillata, Æther, Aqua Ammoniæ Fortia, Cera Flava, Oleum Limonis, Opii Pulvis, Spiritus Ætheris Nitrosi, Sulphur Lotum, Sulphur Præcipitatum, Syrupus, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Cambridge, Chelsea, Somerville, Holyoke, Salem, Newton, Braintree, Attleborough, Revere, Dedham, Fitchburg, Malden, Chelsea, Brockton, Medford, New Bedford, Worcester, Gloucester, Middleborough, Taunton, Mattapoisett, Arlington, Haverhill, Newburyport, Lawrence, Lowell, Turner's Falls, Northampton, Amherst, Milford, Brookline, Holliston, Peabody, Framingham, Montague and Provincetown.

RECORD OF PROSECUTIONS IN SEPTEMBER, 1902.

UNDER THE FOOD AND DRUG ACT.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Articles Sold.	Result of Trial.
1	August 28,	Geo. W. Russell,	Worcester,	Assault,	Plead Guilty, fined $25.
2	September 3,	Peter J. McDonnell,	New Bedford,	Oleomargarine,	Plead Guilty, fined $67.20
3	September 6,	Milton R. Brennan,	Peabody,	Milk,	*Plead Nolo.
4	September 6,	Milton R. Brennan,	Peabody,	Milk (preserved),	†Plead Nolo, fined $50.
5	September	Fred'k A. Stuart,	Wareham,	Milk,	Plead Guilty, fined $20.
6	September 9,	Henry Rich,	Milford,	Milk,	Convicted, fined $10.
7	September 10,	Geo. M. Chamberlain,	Dedham,	Milk,	‡Plead Guilty, fined $100.

UNDER THE LAW RELATING TO ARSENIC.

Chap. 213, Sect. 8, Revised Statutes.

8	September 19,	Chas. H. Batchelder,	Boston,	Arsenic in Awning Cloth.	Plead Guilty, fined $50.

* Placed on file. † Placed on file on payment of costs. ‡ Second offence.

Notes on the Foregoing Cases.

Amount of fines, $272.20.

The total solids in samples of milk upon which the foregoing cases were entered were as follows :— 11.07 — 10.53 and 9.00.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 18, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 42.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

Henry P. Walcott, M.D., Cambridge, *Chairman.*
Julian A. Mead, M.D., Watertown.
Hiram F. Mills, C.E., Lawrence.
Gerard C. Tobey, Esq., Wareham.
James W. Hull, Pittsfield.
Charles H. Porter, Quincy.
John W. Bartol, M.D., Boston.

Samuel W. Abbott, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 18, 1902.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	211	69	58	21	20	2	7	16
Worcester,	127,337	33	12	11	4	5	..	1	2
Fall River,	111,872	45	30	11	11	1	1	..	7
Lowell,	99,574	24	8	4	4	3	..	1	..
Cambridge,	96,334	24	10	6	5	5	..	..	1
Lynn,	71,144	12	2	4	..	2	..	1	..
Lawrence,	67,275	26	10	4	5	3	..	..	1
Springfield,	66,854	20	7	3	2	1	..	..	1
Somerville,	65,882	15	3	2	2	..	1	..	1
New Bedford,	65,574	21	13	7	1	..	1	..	4
Holyoke,	48,065	20	10	9	2	3	..	1	5
Brockton,	43,208	10	4	..	..	..	..	..	..
Haverhill,	40,392	9	1	4	..	4	..	..	..
Salem,	36,567	14	6	4	..	2	..	2	..
Newton,	36,336	9	2	3	..	2	..	..	..
Malden,	35,390	5	0	1	..	1	..	..	..
Chelsea,	35,264	8	2	2	..	2	..	..	..
Fitchburg,	33,848	8	4	1	1	1	..	..	..
Taunton,	32,759	14	5	2	..	1	..	..	..
Everett,	27,114	8	1	2	..	1	1	..	..
North Adams,	26,583	4	1	1	..	..	..	..	1
Gloucester,	26,121	11	9	..	..	..	..	..	..
Quincy,	25,307	11	2	3	..	3	..	..	..
Waltham,	24,612	3	..	..	..	..	..	..	..
Pittsfield,	22,311	8	3	..	1	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	10	5	3	1	1	1	..	..
Medford,	20,014	1	..	1	..	1	..	..	..
Northampton,	19,460	5	4	1	..	1	..	..	..
Beverly,	14,814	4	2	1	..	1	..	..	..
Clinton,	14,645	3	2	1	..	..	..	..	1
Newburyport,	14,478	4	1	2	..	..	..	1	1
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	4	1	..	1	..	..	..	..
Marlborough,	13,609	2	0	..	1	..	..	..	..
Melrose,	13,384	4	0	..	1	..	..	..	..
Westfield,	13,038	5	..	2	..	..	..	2	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	3	1	..	1	..	..	..	..
Gardner,	11,544	2	..	1	..	..	..	..	..
Weymouth,	11,337	4	0	..	..	..	..	..	..
Southbridge,	10,838	5	..	1	1	..	..	1	..
Watertown,	10,600	1	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,068,356	630	230	155	65	64	7	17	41

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and fifty-five deaths were reported from the principal infectious diseases: scarlet fever, 7; cerebro-spinal meningitis, 7; diphtheria and croup, 7; whooping-cough, 4; erysipelas, 2; typhoid fever, 17; puerperal fever, 2; diarrhœal diseases, 41; small-pox, 4.

No deaths were reported from measles, malarial fever or influenza.

There were 64 deaths from consumption, acute lung diseases, 65, still-births, 49.

From scarlet fever: Boston, 2; New Bedford, 2; Fall River, Springfield and Chicopee, 1 each. From cerebro-spinal meningitis: Worcester, 3; Boston, Lynn, Newton and Gardner, 1 each. From whooping-cough: Boston, 3; Taunton, 1.

From small-pox: Boston, 3; Fall River, 1.

Deaths under five years of age numbered 230, as compared with 241 for the preceding week.

Deaths from the principal infectious diseases numbered 155, as compared with 173 for the preceding week.

The death rates for the week were: Boston, 18.63; Worcester, 13.46; Fall River, 20.92; Lowell, 12.53; Cambridge, 12.95; Lynn, 8.74; Lawrence, 20.09; Springfield, 15.56; Somerville, 11.84; New Bedford, 16.65; Holyoke, 21.62; Brockton, 12.00; Haverhill, 11.56; Salem, 19.86; Newton, 12.87; Malden, 7.23; Chelsea, 11.77; Fitchburg, 12.31; Taunton, 22.20; Everett, 15.34; North Adams, 7.82; Gloucester, 21.90; Quincy, 22.59; Waltham, 6.33; Pittsfield, 18.63; Brookline, ——; Chicopee, 25.48; Medford, 2.60; Northampton, 13.36; Beverly, 14.00; Clinton, 10.65; Newburyport, 14.35; Woburn, ——; Leominster, ——; Hyde Park, 15.00; Marlborough, ——; Melrose, 15.54; Westfield, 19.94; Framingham, ——; Revere, 13.12; Gardner, 9.00; Weymouth, 18.10; Southbridge, 23.97; Watertown, 4.90.

The total death rate for the week was 15.84, as compared with 15.54 and 16.80 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 18, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	97	Measles,	46
Diphtheria and croup,	167	Typhoid fever,	112
Small-pox,	15		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 18, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 12,	29.70	56	59	54	97	86	92	N. E.	N.	15	6	R.	C.		0.94
Monday, . . 13,	29.94	62	71	52	88	85	86	S. E.	S.	8	19	O.	F.		0.00
Tuesday, . . 14,	29.82	56	66	46	87	66	76	N. W.	N. W.	8	14	O.	C.		0.00
Wednesday, . 15,	30.00	50	60	40	81	69	75	W.	S. W.	7	10	C.	C.		0.00
Thursday, . . 16,	30.02	56	66	45	80	57	68	W.	N. W.	8	12	C.	C.		0.00
Friday, . . 17,	30.30	44	48	40	73	68	70	N.	S. E.	12	9	F.	C.		0.00
Saturday, . . 18,	30.28	52	62	42	89	85	87	W.	S.	3	17	O.	O.		T
Week, . . .	30.01		62	46			79								0.94

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 25, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 43.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 25, 1902.

Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	213	74	61	26	24	6	6	14
Worcester,	127,337	36	13	6	5	3	..	1	..
Fall River,	111,872	47	21	12	9	4	..	..	6
Lowell,	99,574	33	12	4	4	3	..	..	1
Cambridge,	96,334	24	7	4	4	1	..	1	2
Lynn,	71,144	21	7	3	..	1	1	..	1
Lawrence,	67,275	15	7	2	1	1	..	1	..
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	16	7	7	2	4	..	..	2
New Bedford,	65,574	35	12	8	3	1	..	1	3
Holyoke,	48,065	20	8	3	1	1	..	..	1
Brockton,	43,208	5	0	1	..	..	..	1	..
Haverhill,	40,392	15	3	5	1	3	1	..	1
Salem,	36,567	13	4	6	..	3	..	..	1
Newton,	36,336	7	..	1	2	1	..	..	..
Malden,	35,390	10	4	..	..	..	..	..	..
Chelsea,	35,264	9	5	1	..	1	..	..	..
Fitchburg,	33,848	..	..	..	..	..	..	..	..
Taunton,	32,759	9	..	3	..	..	1	..	2
Everett,	27,114	7	4	1	..	1	..	..	..
North Adams,	26,583	3	1	1	..	..	..	..	..
Gloucester,	26,121	11	5	2	1	1	1	..	..
Quincy,	25,307	7	2	1	..	..	..	..	1
Waltham,	24,612	8	1	1	..	1	..	..	..
Pittsfield,	22,311	8	..	1	1	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	10	5	2	..	..	1	..	..
Medford,	20,014	1	..	..	..	..	..	..	..
Northampton,	19,460	4	0	..	..	..	..	..	..
Beverly,	14,814	..	..	..	..	..	..	..	..
Clinton,	14,645	2	2	1	..	..	1	..	..
Newburyport,	14,478	5	0	1	1	1	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	1	..	..	..	..	1
Melrose,	13,384	8	3	4	..	3	..	..	..
Westfield,	13,038	5	1	1	1	1	..	..	..
Framingham,	12,109	4	2	3	..	..	1	1	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	..	..	..	..	..	..	..	..
Weymouth,	11,337	6	3	1	2	..	..	..	1
Southbridge,	10,838	3	..	1	..	1	..	..	..
Watertown,	10,600	3	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,927,653	645	215	149	64	60	13	12	37

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 35 Cities and Larger Towns of Massachusetts.

One hundred and forty-nine deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 9; cerebro-spinal meningitis, 6; diphtheria and croup, 13; whooping-cough, 6; erysipelas, 1; typhoid fever, 12; diarrhœal diseases, 37; small-pox, 3.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 60 deaths from consumption, acute lung diseases, 64, still-births, 45.

From measles: Worcester and Holyoke, 1 each. From scarlet fever: Boston, 1; Fall River, 2; New Bedford, 3; North Adams, Chicopee and Melrose, 1 each. From cerebro-spinal meningitis: Boston, 3; Worcester, Somerville and Pittsfield, 1 each. From whooping-cough: Boston, 5; Framingham, 1. From small-pox: Boston, 1; Salem, 2.

Deaths under five years of age numbered 215, as compared with 230 for the preceding week.

Deaths from the principal infectious diseases numbered 149, as compared with 155 for the preceding week.

The death rates for the week were: Boston, 18.80; Worcester, 14.69; Fall River, 21.84; Lowell, 17.22; Cambridge, 12.95; Lynn, 15.27; Lawrence, 11.59; Springfield, ——; Somerville, 12.63; New Bedford, 27.75; Holyoke, 21.62; Brockton, 6.00; Haverhill, 19.26; Salem, 18.44; Newton, 10.00; Malden, 14.46; Chelsea, 13.24; Fitchburg, ——; Taunton, 14.27; Everett, 13.43; North Adams, 5.86; Gloucester, 21.90; Quincy, 14.38; Waltham, 16.89; Pittsfield, 18.63; Brookline, ——; Chicopee, 25.48; Medford, 2.60; Northampton, 10.69; Beverly, ——; Clinton, 7.10; Newburyport, 17.44; Woburn, ——; Leominster, ——; Hyde Park, ——; Marlborough, 7.64; Melrose, 31.10; Westfield, 19.94; Framingham, ——; Revere, ——; Gardner, ——; Weymouth, 27.14; Southbridge, 14.38; Watertown, 14.71.

The total death rate for the week was 17.40, as compared with 15.84 and 15.54 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 25, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	78	Measles,	72
Diphtheria and croup,	171	Typhoid fever,	89
Small-pox,	18		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Oct. 25, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 19,	30.06	68	75	62	84	87	86	S. W.	S. W.	12	15		F.	O.			0.01
Monday, 20,	29.99	57	66	48	78	61	70	W.	W.	12	18		C.	C.			0.00
Tuesday, 21,	30.26	44	49	38	74	64	69	W.	N. W.	15	7		C.	C.			0.00
Wednesday, 22,	30.30	45	56	34	78	69	74	W.	S. W.	8	16		F.	C.			0.00
Thursday, 23,	30.21	49	52	46	93	62	78	W.	E.	7	15		R.	C.			0.17
Friday, 24,	30.26	48	61	36	88	80	84	W.	S. W.	2	12		C.	O.			0.00
Saturday, 25,	30.14	50	62	38	94	66	80	W.	N.	15	12		O.	C.			T
Week,	30.17		60	43			77										0.18

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 1, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 44.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 1, 1902.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	223	73	52	50	21	6	..	15
Worcester,	127,337	32	13	6	2	2	..	..	2
Fall River,	111,872	42	28	10	7	1	1	..	6
Lowell,	99,574	40	15	4	3	..	2	..	..
Cambridge,	96,334	31	13	9	5	7	..	1	..
Lynn,	71,144	17	3	2	..	1	..	..	..
Lawrence,	67,275	20	8	1	3	..	1	..	..
Springfield,	66,854	20	6	4	2	2	..	1	1
Somerville,	65,882	21	7	3	6	1	..	..	2
New Bedford,	65,574	31	20	7	4	..	2	1	1
Holyoke,	48,065	13	7	3	2	..	..	..	3
Brockton,	43,208	12	3	2	..	2	..	..	..
Haverhill,	40,392	6	..	1	1	1	..	..	..
Salem,	36,567	11	6	1	..	..	..	1	..
Newton,	36,336	7	1	..	1	..	..	..	..
Malden,	35,390	12	4	3	..	..	2	1	..
Chelsea,	35,264	18	9	2	3	1	1	..	..
Fitchburg,	33,848	10	2	..	5	..	..	..	..
Taunton,	32,759	7	..	2	2	..	..	2	..
Everett,	27,114	3	1	..	..	..	..	..	..
North Adams,	26,583	10	3	7	1	2	1	1	..
Gloucester,	26,121	8	2	2	..	..	2	..	..
Quincy,	25,307	7	2	3	..	1	1	..	1
Waltham,	24,612	5	..	3	..	3	..	..	..
Pittsfield,	22,311	6	1	2	1	1	1	..	..
Brookline,	21,679	3	..	..	..	..	..	..	..
Chicopee,	20,390	7	4	3	..	..	1	..	..
Medford,	20,014	1	..	..	..	..	..	..	..
Northampton,	19,460	5	0	..	..	..	..	..	..
Beverly,	14,814	3	..	..	..	..	..	..	..
Clinton,	14,645	4	0	1	1	1	..	..	..
Newburyport,	14,478	2	0	..	..	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Melrose,	13,384	3	2	..	2	..	..	..	..
Westfield,	13,038	4	..	..	..	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	1	..	..	..	..	..	..	..
Gardner,	11,544	1	1	..	..	..	..	..	..
Weymouth,	11,337	3	1	1	..	..	..	..	1
Southbridge,	10,838	3	..	1	..	1	..	..	..
Watertown,	10,600	2	..	1	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,062,568	654	235	136	102	48	21	8	33

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and thirty-six deaths were reported from the principal infectious diseases : scarlet fever, 9 ; cerebro-spinal meningitis, 3 ; diphtheria and croup, 21 ; whooping-cough, 8 ; erysipelas, 2 ; typhoid fever, 8 ; diarrhœal diseases, 33 ; small-pox, 4.

No deaths were reported from measles, puerperal fever, malarial fever or influenza.

There were 48 deaths from consumption, acute lung diseases, 102, still-births, 31.

From scarlet fever : Boston, 1 ; Fall River, 2 ; Lowell, 1 ; New Bedford, 3 ; Chicopee, 2. From cerebro-spinal meningitis : Boston, Worcester and North Adams, 1 each. From whooping-cough : Boston, 4 ; Worcester and Cambridge, 1 each ; North Adams, 2. From erysipelas : Lowell and Lynn, 1 each. From small-pox : Boston, 4.

Deaths under five years of age numbered 235, as compared with 215 for the preceding week.

Deaths from the principal infectious diseases numbered 136, as compared with 149 for the preceding week.

The death rates for the week were : Boston, 19.68 ; Worcester, 13.06 ; Fall River, 19.52 ; Lowell, 20.88 ; Cambridge, 16.73 ; Lynn, 12.38 ; Lawrence, 15.45 ; Springfield, 15.55 ; Somerville, 16.57 ; New Bedford, 24.58 ; Holyoke, 14.05 ; Brockton, 14.41 ; Haverhill, 7.70 ; Salem, 15.60 ; Newton, 10.00 ; Malden, 17.35 ; Chelsea, 26.47 ; Fitchburg, 15.39 ; Taunton, 11.10 ; Everett, 5.75 ; North Adams, 19.55 ; Gloucester, 15.93 ; Quincy, 14.38 ; Waltham, 10.55 ; Pittsfield, 13.97 ; Brookline, 7.17 ; Chicopee, 17.83 ; Medford, 2.60 ; Northampton, 13.36 ; Beverly, 10.53 ; Clinton, 14.20 ; Newburyport, 7.17 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, —— ; Melrose, 11.65 ; Westfield, 15.95 ; Framingham, —— ; Revere, 4.37 ; Gardner, 4.50 ; Weymouth, 13.57 ; Southbridge, 14.38 ; Watertown, 9.81.

The total death rate for the week was 16.48, as compared with 17.40 and 15.84 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 1, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	117	Measles, ...	88
Diphtheria and croup, ...	212	Typhoid fever, ...	96
Small-pox, ...	32		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 1, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, Oct. 26,	30.50	39	44	34	78	63	70	N.	S.	7	15		O.	R.			T
Monday, 27,	30.04	55	66	44	84	82	83	S.	S.	13	11		O.	O.			T
Tuesday, 28,	29.46	58	68	47	92	71	82	S.	W.	20	15		R.	C.			1.84
Wednesday, 29,	29.94	42	47	36	63	52	58	W.	W.	12	12		C.	C.			T
Thursday, 30,	30.45	42	50	33	59	58	58	W.	S. W.	6	14		C.	O.			0.00
Friday, 31,	30.36	48	58	39	62	67	64	S. W.	N.	12	9		C.	C.			0.00
Saturday, Nov. 1,	30.47	42	48	36	70	78	74	N. W.	S. E.	8	4		C.	C.			0.00
Week,	30.17		54	38			70										1.84

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 8, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 45.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 8, 1902.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	239	82	62	42	24	8	6	13
Worcester,	127,337	38	17	8	5	2	..	2	2
Fall River,	111,872	45	21	13	9	3	1	1	6
Lowell,	99,574	37	8	5	6	2	3	..	..
Cambridge,	96,334	18	5	3	1	3	..	..	..
Lynn,	71,144	21	3	2	..	..	1	1	..
Lawrence,	67,275	24	5	7	4	4	..	..	3
Springfield,	66,854	13	..	1	1	1	..	..	..
Somerville,	65,882	20	7	5	4	2	..	..	2
New Bedford,	65,574	31	16	7	5	1	..	3	1
Holyoke,	48,065	17	5	5	1	1	..	..	4
Brockton,	43,208	6	0	3	..	2	1	..	..
Haverhill,	40,392	7	1	2	2	1	..	1	..
Salem,	36,567	18	7	2	..	..	2	..	..
Newton,	36,336	10	3	..	..	..	..	..	..
Malden,	35,390	14	4	1	2	..	1	..	..
Chelsea,	35,264	19	7	2	2	..	1	..	..
Fitchburg,	33,848	10	4	3	1	3	..	..	..
Taunton,	32,759	11	3	5	1	2	..	1	2
Everett,	27,114	7	2	..	..	..	..	..	..
North Adams,	26,583	8	1	2	..	1	..	1	..
Gloucester,	26,121	3	2	1	..	..	1	..	..
Quincy,	25,307	9	1	3	..	3	..	..	..
Waltham,	24,612	7	4	..	2	..	..	..	..
Pittsfield,	22,311	8	1	2	..	1	..	1	..
Brookline,	21,679	4	..	..	..	..	..	..	..
Chicopee,	20,390	5	2	1	1	..	..	..	..
Medford,	20,014	5	1	..	2	..	..	..	..
Northampton,	19,460	6	0	1	..	1	..	..	..
Beverly,	14,814	5	2	..	..	..	..	..	..
Clinton,	14,645	2	1	1	1	..	1	..	..
Newburyport,	14,478	7	2	1	1	..	..	..	1
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	7	1	..	..	..	..	..	..
Marlborough,	13,609	6	..	2	..	..	2	..	..
Melrose,	13,384	5	..	..	..	..	..	..	..
Westfield,	13,038	3	1	..	1	..	..	..	..
Framingham,	12,109	3	..	..	..	..	..	..	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	3	1	..	1	..	..	..	..
Weymouth,	11,337	2	0	1	..	1	..	..	..
Southbridge,	10,838	5	3	1	..	..	..	..	1
Watertown,	10,600	2	2	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,090,250	710	225	152	95	58	22	17	35

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and fifty-two deaths were reported from the principal infectious diseases: scarlet fever, 9; cerebro-spinal meningitis, 1; diphtheria and croup, 22; whooping-cough, 8; typhoid fever, 17; puerperal fever, 1; diarrhœal diseases, 35; small-pox, 1; malarial fever, 1.

No deaths were reported from measles, erysipelas or influenza.

There were 58 deaths from consumption, acute lung diseases, 95, still-births, 36.

From scarlet fever: Boston, 5; Fall River, 1; New Bedford, 2; Chicopee, 1. From cerebro-spinal meningitis: Worcester, 1. From diphtheria and croup: Boston, 8; Lowell, 3; Salem and Marlborough, 2 each; Fall River, Lynn, Brockton, Chelsea, Malden, Gloucester and Clinton, 1 each. From whooping-cough: Boston, 4; Worcester, Fall River, Somerville and Chelsea, 1 each. From small-pox: Boston, 1. From malarial fever, Boston, 1.

Deaths under five years of age numbered 225, as compared with 235 for the preceding week.

Deaths from the principal infectious diseases numbered 152, as compared with 136 for the preceding week.

The death rates for the week were: Boston, 21.10; Worcester, 15.51; Fall River, 20.91; Lowell, 19.31; Cambridge, 9.71; Lynn, 15.30; Lawrence, 18.54; Springfield, 10.11; Somerville, 15.78; New Bedford, 24.58; Holyoke, 18.38; Brockton, 7.20; Haverhill, 8.99; Salem, 25.54; Newton, 14.30; Malden, 20.24; Chelsea, 27.94; Fitchburg, 15.39; Taunton, 17.45; Everett, 13.43; North Adams, 15.64; Gloucester, 5.97; Quincy, 18.48; Waltham, 14.78; Pittsfield, 18.63; Brookline, 9.57; Chicopee, 12.74; Medford, 13.00; Northampton, 16.03; Beverly, 17.55; Clinton, 7.10; Newburyport, 25.12; Woburn, ——; Leominster, ——; Hyde Park, 26.24; Marlborough, 22.93; Melrose, 19.42; Westfield, 11.96; Framingham, 12.87; Revere, ——; Gardner, 13.52; Weymouth, 9.05; Southbridge, 14.38; Watertown, 9.81.

The total death rate for the week was 17.66, as compared with 16.48 and 17.40 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 8, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	122	Measles,	148
Diphtheria and croup,	188	Typhoid fever,	95
Small-pox,	35		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 8, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 2,	30.32	50	62	38	83	77		80	W.	S. W.	5	8		C.	C.			0.00
Monday, 3,	30.16	53	65	41	96	79		88	W.	S. W.	7	6		G.	C.			0.00
Tuesday, 4,	30.23	48	54	41	86	96		91	N.	E.	4	6		C.	G.			0.00
Wednesday, 5,	30.22	48	56	40	96	90		93	S. W.	S. W.	8	10		G.	C.			0.00
Thursday, 6,	30.02	56	64	47	90	91		90	S.	S. W.	11	11		O.	O.			T
Friday, 7,	30.09	49	61	37	76	63		70	N. W.	N.	8	12		O.	C.			0.00
Saturday, 8,	30.32	39	44	34	73	69		71	N.	N.	11	8		O.	C.			0.00
Week,	30.19		58	40				83										T

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	216	314	530	Maple Syrup, .	4	..	4
Butter, . . .	10	4	14	Canned Goods, .	..	..	..
Cheese, . . .	2	..	2	Honey, . . .	4	..	4
Lard, . . .	..	..	..	Tea, . . .	3	..	3
Olive Oil, . . .	..	..	..	Coffee, . . .	13	2	15
Vinegar, . . .	..	2	2	Cocoa and Chocolate,	..	..	..
Spices, . . .	100	24	124	Confectionery, .	..	..	..
Cream of Tartar, .	25	..	25	Toys, . . .	3	..	3
Molasses, . . .	8	2	10	Miscellaneous, .	6	3	9
Syrups, . . .	..	..	..	Drugs, . . .	53	33	86
Maple Sugar, . .	..	..	..				
				Totals, . .	447	384	831

Percentage of adulteration, 46.2. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 59.2 per cent., while the percentage of articles of food was 17.4.

Seven complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

The samples of drugs found to be adulterated were Æther, Cera Flava, Capsicum, Glycerinum, Oleum Limonis, Oleum Olivæ, Pulv. Glycyrrhizæ, Comp. Syrupus, Sodii Phosphas, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Cambridge, Springfield, Somerville, Salem, Newton, Weymouth, Watertown, Medford, Everett, Chelsea, Newburyport, Fall River, Lawrence, North Adams, Northampton, Braintree, New Bedford, Hyde Park, Stoughton, Taunton, Westfield, Waltham, Peabody, Concord, Carlisle, Bedford, Lowell, Holbrook, Dedham and Pepperell.

RECORD OF PROSECUTIONS IN OCTOBER, 1902.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Articles Sold.	Result of Trial.
1	*July 18,	David G. Bremner,	Watertown,	Renovated Butter,	Conviction, fined $100.
2	October 17,	Frank Cumm,	North Adams,	Oleomargarine,	Conviction, fined $100; appealed.
3	October 17,	Ellen Barr,	Chelsea,	Milk,	Plead Guilty, fined $16.20; on file.
4	October 18,	Bernard McGlone,	Peabody,	Milk (colored),	Plead Nolo, fined $50.
5	October 18,	Bernard McGlone,	Peabody,	† Milk,	Plead Nolo, placed on file.
6	October 18,	Thorndike P. Earle,	Peabody,	Milk,	Plead Nolo, fined $25.
7	October 25,	Milton R. Brennan,	Peabody,	Milk,	Conviction, fined $50; appealed.

* Continued case.

† Milk below standard.

Notes on the Foregoing Cases.

Amount of fines, $341.20.

The total solids in samples of milk upon which the foregoing cases were entered were as follows:— 9.48 — 10.48 — 10.60 — 11.40.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 15, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 46.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 15, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston, ...	588,730	210	65	44	36	21	8	3	6
Worcester, ...	127,337	36	10	7	7	2	..	1	1
Fall River, ...	111,872	43	18	7	5	2	..	..	5
Lowell, ...	99,574	32	10	10	6	5	3	1	..
Cambridge, ...	96,334	28	7	5	6	3	..	..	..
Lynn, ...	71,144	16	5	1	..	..	1	..	..
Lawrence, ...	67,275	15	5	4	3	2	..	1	..
Springfield, ...	66,854	19	1	1	2	1	..	..	..
Somerville, ...	65,882	19	1	6	2	5	..	..	1
New Bedford, ...	65,574	25	8	7	3	1	2	..	..
Holyoke, ...	48,065	14	5	3	2	2	..	..	1
Brockton, ...	43,208	9	1	3	..	2	..	..	..
Haverhill, ...	40,392	16	5	1	3	..	..	..	..
Salem, ...	36,567	12	2	3	..	3	..	..	..
Newton, ...	36,336	8	0	1	1	1	..	..	..
Malden, ...	35,390	7	3	..	1	..	..	..	..
Chelsea, ...	35,264	17	5	3	5	1	1	..	1
Fitchburg, ...	33,848	6	4	..	1	..	..	..	..
Taunton, ...	32,759	17	2	5	2	5	..	..	..
Everett, ...	27,114	6	2	..	..	..	..	..	..
North Adams, ...	26,583	4	..	1	..	..	1	..	..
Gloucester, ...	26,121	5	..	2	..	2	..	..	..
Quincy, ...	25,307	7	4	2	1	..	1	..	1
Waltham, ...	24,612	7	3	1	..	1	..	..	..
Pittsfield, ...	22,311	..	..	..	..	..	..	..	..
Brookline, ...	21,679	..	..	..	..	..	..	..	..
Chicopee, ...	20,390	7	2	2	..	1	1	..	..
Medford, ...	20,014	1	1	..	..	..	..	..	..
Northampton, ...	19,460	6	1	..	..	..	..	..	..
Beverly, ...	14,814	2	..	..	..	..	..	..	..
Clinton, ...	14,645	4	1	..	..	..	..	..	..
Newburyport, ...	14,478	8	2	2	1	1	..	..	..
Woburn, ...	14,285	..	..	..	..	..	..	..	..
Leominster, ...	13,953	..	..	..	..	..	..	..	..
Hyde Park, ...	13,858	..	..	..	..	..	..	..	..
Marlborough, ...	13,609	4	2	..	..	..	..	..	..
Melrose, ...	13,384	5	2	1	1	..	..	..	..
Westfield, ...	13,038	1	1	1	..	..	..	1	..
Framingham, ...	12,109	2	..	..	..	..	..	..	..
Revere, ...	11,894	2	..	..	..	..	..	..	..
Gardner, ...	11,544	4	1	..	..	..	..	..	..
Weymouth, ...	11,337	1	0	..	..	..	..	..	..
Southbridge, ...	10,838	..	..	..	..	..	..	..	..
Watertown, ...	10,600	3	..	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,033,458	628	179	124	88	61	18	7	16

Note.—* The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and twenty-four deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 6 ; cerebro-spinal meningitis, 7 ; diphtheria and croup, 18 ; whooping-cough, 3 ; erysipelas, 1; typhoid fever, 7 ; diarrhœal diseases, 16 ; small-pox, 3 ; influenza, 1.

No deaths were reported from puerperal fever or malaria.

There were 61 deaths from consumption, acute lung diseases, 88, still-births, 47.

From measles : Haverhill, 1. From scarlet fever : Boston and Lowell, 1 each ; New Bedford, 4. From cerebro-spinal meningitis : Boston, 2 ; Worcester, 3 ; Brockton and Watertown, 1 each. From diphtheria and croup : Boston, 8 ; Lowell, 3 ; New Bedford, 2 ; Lynn, Chelsea, North Adams, Quincy and Chicopee, 1 each. From whooping-cough : Boston, Lawrence and Melrose, 1 each. From erysipelas : Cambridge, 1. From typhoid fever : Boston, 3 ; Worcester, Lowell, Lawrence and Westfield, 1 each. From small-pox : Boston, 2 ; Cambridge, 1. From influenza : Newburyport, 1.

Deaths under five years of age numbered 179, as compared with 225 for the preceding week.

Deaths from the principal infectious diseases numbered 124, as compared with 152 for the preceding week.

The death rates for the week were : Boston, 18.54 ; Worcester, 14.69 ; Fall River, 19.98 ; Lowell, 16.70 ; Cambridge, 15.11 ; Lynn, 11.65 ; Lawrence, 11.59 ; Springfield, 14.78 ; Somerville, 15.00 ; New Bedford, 19.83 ; Holyoke, 15.13 ; Brockton, 10.81 ; Haverhill, 20.54 ; Salem, 17.02 ; Newton, 11.44 ; Malden, 10.12 ; Chelsea, 25.00 ; Fitchburg, 9.23 ; Taunton, 26.96 ; Everett, 11.50 ; North Adams, 7.82 ; Gloucester, 9.95 ; Quincy, 14.38 ; Waltham, 14.78 ; Pittsfield, —— ; Brookline, —— ; Chicopee, 17.83 ; Medford, 2.60 ; Northampton, 16.03 ; Beverly, 7.02 ; Clinton, 14.20 ; Newburyport, 28.70 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, 15.29 ; Melrose, 19.42 ; Westfield, 3.98 ; Framingham, 8.58 ; Revere, 8.75 ; Gardner, 18.02 ; Weymouth, 4.52 ; Southbridge, —— ; Watertown, 14.71.

The total death rate for the week was 16.06, as compared with 17.66 and 16.48 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 15, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	108	Measles, ...	172
Diphtheria and croup, ...	172	Typhoid fever, ...	71
Small-pox, ...	45		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 15, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 9,	30.16	40	46	35	83	79	81	N.	N.	15	15		O.	O.			0.00
Monday, . . 10,	30.00	52	68	37	72	71	72	W.	N.	6	19		C.	C.			0.00
Tuesday, . . 11,	30.38	40	47	33	77	65	71	N. W.	S.	6	10		C.	F.			0.00
Wednesday, . 12,	30.04	53	64	42	93	76	84	S.	S. W.	14	12		O.	O.			0.09
Thursday, . . 13,	30.36	46	60	33	100	100	100	N. E.	N. W.	14	10		R.	R.			0.02
Friday, . . 14,	30.17	51	68	34	90	77	84	S. W.	S. W.	15	5		O.	C.			T
Saturday, . . 15,	30.04	58	70	47	93	79	86	S. W.	S. W.	8	13		O.	O.			0.00
Week, . . .	30.16		60	37			83										0.11

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 22, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 47.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 22, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	194	56	38	33	17	3	5	4
Worcester,	127,337	30	8	4	1	3	..	..	..
Fall River,	111,872	29	..	6	9	2	1	..	3
Lowell,	99,574	25	8	4	8	2	1	1	..
Cambridge,	96,334	23	6	7	1	5	..	..	2
Lynn,	71,144	14	3	1	..	..	1	..	..
Lawrence,	67,275	24	10	5	8	1	..	..	3
Springfield,	66,854	26	2	2	2	1	1	..	..
Somerville,	65,882	16	4	7	1	3	..	..	2
New Bedford,	65,574	25	9	6	4	1	2	..	..
Holyoke,	48,065	7	2	1	1	1	..	..	..
Brockton,	43,208	7	2	..	..	..	..	..	..
Haverhill,	40,392	11	1	1	2	1	..	..	..
Salem,	36,567	10	3	1	..	1	..	..	..
Newton,	36,336	9	4	..	..	..	..	..	..
Malden,	35,390	12	3	3	2	2	..	1	..
Chelsea,	35,264	14	2	2	1	1	..	1	..
Fitchburg,	33,848	6	3	..	2	..	..	..	..
Taunton,	32,759	8	..	1	3	1	..	..	..
Everett,	27,114	5	1	1	1	1	..	..	..
North Adams,	26,583	10	4	5	2	2	1	1	1
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	6	..	1	..	1	..	..	..
Waltham,	24,612	3	..	1	..	1	..	..	..
Pittsfield,	22,311	6	1	..	..	..	..	..	..
Brookline,	21,679	3	1	..	2	..	..	..	..
Chicopee,	20,390	8	7	1	1	..	..	..	..
Medford,	20,014	3	..	..	1	..	..	..	..
Northampton,	19,460	6	0	..	..	..	..	..	..
Beverly,	14,814	4	..	2	..	1	..	1	..
Clinton,	14,645	1	..	..	..	..	..	..	..
Newburyport,	14,478	5	1	1	..	..	..	1	..
Woburn,	14,285	6	..	2	1	2	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	1	..	..	..	..	1
Melrose,	13,384	..	..	..	..	..	..	..	..
Westfield,	13,038	3	1	..	..	..	..	..	..
Framingham,	12,109	..	..	..	..	..	..	..	..
Revere,	11,894	2	..	1	..	1	..	..	..
Gardner,	11,544	3	1	1	..	..	..	..	..
Weymouth,	11,337	6	0	1	1	..	..	1	..
Southbridge,	10,838	4	..	1	..	..	..	..	1
Watertown,	10,600	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,040,357	576	144	108	87	51	10	12	17

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and eight deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 8; cerebro-spinal meningitis, 2; diphtheria and croup, 10; whooping-cough, 3; typhoid fever, 12; diarrhœal diseases, 17; small-pox, 4.

No deaths were reported from erysipelas, puerperal fever, malaria or influenza.

There were 51 deaths from consumption, acute lung diseases, 87, still-births, 42.

From measles: Gardner, 1. From scarlet fever: Boston, 2; Lawrence, 1; New Bedford, 3; Somerville, 1; Chicopee, 1. From cerebro-spinal meningitis: Worcester and Somerville, 1 each. From diphtheria and croup: Boston, 3; New Bedford, 2; Fall River, Lowell, Lynn, Springfield and North Adams, 1 each. From whooping-cough: Boston, 3. From small-pox: Boston, 4.

Deaths under five years of age numbered 144, as compared with 179 for the preceding week.

Deaths from the principal infectious diseases numbered 108, as compared with 124 for the preceding week.

The death rates for the week were: Boston, 17.13; Worcester, 12.25; Fall River, 13.48; Lowell, 13.05; Cambridge, 12.41; Lynn, 10.20; Lawrence, 18.54; Springfield, 20.22; Somerville, 12.63; New Bedford, 19.82; Holyoke, 7.57; Brockton, 8.40; Haverhill, 14.12; Salem, 14.19; Newton, 12.87; Malden, 17.35; Chelsea, 20.59; Fitchburg, 9.23; Taunton, 12.69; Everett, 9.59; North Adams, 19.55; Gloucester, ——; Quincy, 12.32; Waltham, 6.33; Pittsfield, 13.97; Brookline, 7.18; Chicopee, 20.38; Medford, 7.80; Northampton, 15.29; Beverly, 14.04; Clinton, 3.55; Newburyport, 17.94; Woburn, 21.84; Leominster, ——; Hyde Park, ——; Marlborough, 7.64; Melrose, ——; Westfield, 11.96; Framingham, ——; Revere, 8.75; Gardner, 13.52; Weymouth, 27.14; Southbridge, 19.17; Watertown, ——.

The total death rate for the week was 14.68, as compared with 16.06 and 17.66 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 22, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	128	Measles,	163
Diphtheria and croup,	137	Typhoid fever,	79
		Small-pox,	48

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 22, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 16,	30.18	52	61	44	87	78	82	N. W.	E.	8	3	C.	F.			0.00
Monday, 17,	30.30	44	47	40	96	88	92	N. E.	N. E.	9	9	R.	O.			T
Tuesday, 18,	30.30	44	49	39	92	86	89	N.	N. E.	10	14	O.	O.			0.00
Wednesday, 19,	30.17	46	49	43	89	93	91	N.	N.	6	8	R.	F.			T
Thursday, 20,	30.24	46	52	40	88	89	88	N. W.	S.	10	6	F.	C.			0.00
Friday, 21,	30.00	51	60	42	88	74	81	W.	S. W.	7	9	O.	F.			0.00
Saturday, 22,	29.60	57	65	49	82	72	77	S. W.	S. W.	7	24	O.	R.			T
Week,	30.11		55	42			83									T

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 29, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 48.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

Henry P. Walcott, M.D., Cambridge, *Chairman.*
Julian A. Mead, M.D., Watertown.
Hiram F. Mills, C.E., Lawrence.
Gerard C. Tobey, Esq., Wareham.
James W. Hull, Pittsfield.
Charles H. Porter, Quincy.
John W. Bartol, M.D., Boston.

Samuel W. Abbott, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 29, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	210	62	53	35	25	5	2	6
Worcester,	127,337	26	11	5	8	3	..	..	..
Fall River,	111,872	41	25	15	2	7	1	..	6
Lowell,	99,574	38	12	3	8	3	..	..	..
Cambridge,	96,334	19	6	2	6	1	..	1	..
Lynn,	71,144	26	6	1	..	..	..	1	..
Lawrence,	67,275	21	13	4	6	2	..	..	1
Springfield,	66,854	16	4	3	2	1	..	2	..
Somerville,	65,882	16	1	2	2	1	1	..	..
New Bedford,	65,574	34	18	5	8	..	1	2	1
Holyoke,	48,065	20	9	4	2	2	..	..	1
Brockton,	43,208	10	3	1	..	..	..	..	..
Haverhill,	40,392	12	1	1	1	1	..	..	..
Salem,	36,567	12	3	..	..	..	..	..	..
Newton,	36,336	6	..	..	..	..	..	..	..
Malden,	35,390	11	1	1	2	..	..	1	..
Chelsea,	35,264	10	1	2	..	..	..	1	..
Fitchburg,	33,848	9	5	2	4	1	..	..	..
Taunton,	32,759	15	4	1	1	..	..	..	1
Everett,	27,114	9	6	3	..	1	..	..	..
North Adams,	26,583	5	2	1	1	..	..	1	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Quincy,	25,307	11	..	3	2	1	2	..	..
Waltham,	24,612	7	2	2	..	1	..	1	..
Pittsfield,	22,311	8	1	4	..	3	1	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	9	4	1	1	..	..	..	..
Medford,	20,014	2	1	1	..	..	..	..	1
Northampton,	19,460	7	0	..	..	..	..	..	..
Beverly,	14,814	4	1	1	..	1	..	..	..
Clinton,	14,645	5	2	..	..	..	..	..	..
Newburyport,	14,478	5	1	..	..	..	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	..	..	..	..	..	..
Melrose,	13,384	3	..	1	..	1	..	..	..
Westfield,	13,038	5	3	..	..	..	..	..	..
Framingham,	12,109	2	..	1	..	1	..	..	..
Revere,	11,894	2	1	..	1	..	..	..	..
Gardner,	11,544	3	1	1	..	..	..	..	..
Weymouth,	11,337	..	..	..	..	..	..	..	..
Southbridge,	10,838	1	1	..	1	..	..	..	..
Watertown,	10,600	6	..	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	2,029,149	649	211	124	94	56	11	12	17

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and twenty-four deaths were reported from the principal infectious diseases : measles, 2 ; scarlet fever, 5 ; cerebro-spinal meningitis, 3 ; diphtheria and croup, 11 ; whooping-cough, 8 ; typhoid fever, 12 ; diarrhœal diseases, 17 ; small-pox, 9.

No deaths were reported from puerperal fever, malaria or influenza.

There were 56 deaths from consumption, acute lung diseases, 94, still-births, 43.

From measles : Fitchburg and Gardner, 1 each. From scarlet fever : Boston, Fall River, New Bedford, Holyoke and Chicopee, 1 each. From cerebro-spinal meningitis : Worcester, 2 ; Everett, 1. From diphtheria and croup : Boston, 5 ; Fall River, 1 ; New Bedford, 1 ; Somerville, 1 ; Quincy, 2 ; Pittsfield, 1. From whooping-cough : Boston, 4 ; Lawrence, Brockton, Chelsea and Everett, 1 each. From small-pox : Boston, 9.

Deaths under five years of age numbered 211, as compared with 144 for the preceding week.

Deaths from the principal infectious diseases numbered 124, as compared with 108 for the preceding week.

The death rates for the week were : Boston, 18.54 ; Worcester, 10.16 ; Fall River, 19.05 ; Lowell, 19.83 ; Cambridge, 10.25 ; Lynn, 18.94 ; Lawrence, 16.22 ; Springfield, 12.45 ; Somerville, 12.63 ; New Bedford, 26.96 ; Holyoke, 21.62 ; Brockton, 12.00 ; Salem, 17.03 ; Newton, 8.58 ; Malden, 15.90 ; Chelsea, 14.71 ; Fitchburg, 13.85 ; Taunton, 23.79 ; Everett, 17.27 ; North Adams, 9.77 ; Gloucester, —— ; Quincy, 22.59 ; Waltham, 14.78 ; Pittsfield, 18.63 ; Brookline, —— ; Chicopee, 22.93 ; Medford, 5.20 ; Northampton, 18.70 ; Beverly, 14.00 ; Clinton, 17.75 ; Newburyport, 17.94 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, 11.46 ; Melrose, 11.65 ; Westfield, 19.94 ; Framingham, 8.58 ; Revere, 8.75 ; Gardner, 13.52 ; Weymouth, —— ; Southbridge, 4.79 ; Watertown, 29.43.

The total death rate for the week was 16.63, as compared with 14.68 and 16.06 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 29, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	137	Measles, ...	129
Diphtheria and croup, ...	148	Typhoid fever, ...	52
Small-pox, ...	29		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 29, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 23,	29.72	41	49	33	59	38		48	W.	S. W.	14	15		C.	C.			T
Monday, . . 24,	29.63	44	56	33	57	36		46	S. W.	S. W.	26	12		O.	O.			0.00
Tuesday, . . 25,	29.82	47	50	44	72	51		62	N. W.	N.	6	9		O.	O.			T
Wednesday, . 26,	29.71	39	46	32	92	100		96	N. E.	N.	32	14		R.	O.			0.96
Thursday, . . 27,	29.56	36	40	32	95	100		98	N.	W.	8	12		R.	G.			0.02
Friday, . . 28,	29.79	34	39	30	69	78		74	W.	N. W.	18	20		C.	C.			0.00
Saturday, . . 29,	30.41	36	44	28	83	58		70	W.	S.	7	10		C.	C.			0.00
Week, . . .	29.81		46	33				71										0.98

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 6, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 49.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 6, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	588,730	224	66	52	37	20	7	4	3
Worcester,	127,337	26	9	4	3	1	..	1	..
Fall River,	111,872	33	10	12	6	5	3	..	3
Lowell,	99,574	37	16	5	8	2	1	..	..
Cambridge,	96,334	26	3	4	3	3	..	1	..
Lynn,	71,144	17	4	1	..	1	..	..	..
Lawrence,	67,275	28	16	4	8	2	..	..	1
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	21	7	6	4	2	3	..	..
New Bedford,	65,574	25	6	9	2	5	1	..	..
Holyoke,	48,065	11	3	2	1	1	..	..	1
Brockton,	43,208	7	..	..	..	..	..	..	..
Haverhill,	40,392	13	2	4	2	2	..	1	..
Salem,	36,567	14	6	3	..	2	..	..	..
Newton,	36,336	5	..	..	..	..	..	..	..
Malden,	35,390	13	2	3	..	3	..	..	..
Chelsea,	35,264	11	2	1	1	1	..	..	..
Fitchburg,	33,848	20	10	2	7	1	..	..	..
Taunton,	32,759	6	0	..	1	..	..	..	..
Everett,	27,114	13	2	1	..	1	..	..	..
North Adams,	26,583	13	2	3	1	1	1	1	..
Gloucester,	26,121	2	2	..	..	..	..	..	..
Quincy,	25,307	..	..	..	..	..	..	..	..
Waltham,	24,612	9	2	4	1	1	2	1	..
Pittsfield,	22,311	3	..	..	..	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	5	2	..	2	..	..	..	..
Medford,	20,014	4	1	..	2	..	..	..	..
Northampton,	19,460	4	3	..	..	..	..	..	..
Beverly,	14,814	1	..	1	..	1	..	..	..
Clinton,	14,645	2	1	..	..	..	..	..	..
Newburyport,	14,478	7	2	3	..	2	1	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	11	1	4	..	3	..	..	1
Marlborough,	13,609	4	1	1	..	1	..	..	..
Melrose,	13,384	5	1	4	..	4	..	..	..
Westfield,	13,038	5	2	1	3	1	..	..	..
Framingham,	12,109	5	..	1	..	..	..	1	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	5	..	2	1	1	..	..	1
Weymouth,	11,337	..	..	..	..	..	..	..	..
Southbridge,	10,838	3	..	1	..	..	..	1	..
Watertown,	10,600	4	..	1	1	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns, ..	1,965,073	642	184	139	94	68	19	11	10

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and thirty-nine deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 8; cerebro-spinal meningitis, 6; diphtheria and croup, 19; whooping-cough, 8; typhoid fever, 11; diarrhœal diseases, 10; small-pox, 7.

No deaths were reported from erysipelas, puerperal fever, malarial fever or influenza.

There were 68 deaths from consumption, acute lung diseases, 94, still-births, 37.

From measles: Boston and Fitchburg, 1 each. From scarlet fever: Boston, 5; New Bedford, 2; Fall River, 1. From diphtheria and croup: Boston, 7; Fall River and Somerville, 3 each; Lowell, New Bedford, North Adams and Newburyport, 1 each; Waltham, 2. From whooping-cough: Boston, 3; Lowell, 2; Lawrence, Haverhill and Salem, 1 each. From small-pox: Boston, 7.

Deaths under five years of age numbered 184, as compared with 211 for the preceding week.

Deaths from the principal infectious diseases numbered 139, as compared with 124 for the preceding week.

The death rates for the week were: Boston, 19.77; Worcester, 10.61; Fall River, 15.33; Lowell, 19.31; Cambridge, 14.03; Lynn, 12.38; Lawrence, 21.63; Springfield, ——; Somerville, 16.57; New Bedford, 19.82; Holyoke, 11.89; Brockton, 8.41; Salem, 19.87; Newton, 7.15; Malden, 18.79; Chelsea, 16.18; Fitchburg, 30.78; Taunton, 9.52; Everett, 24.93; North Adams, 25.41; Gloucester, 3.98; Quincy, ——; Waltham, 19.00; Pittsfield, 6.99; Brookline, ——; Chicopee, 12.74; Medford, 10.40; Northampton, 10.68; Beverly, 3.51; Clinton, 7.10; Newburyport, 25.12; Woburn, ——; Leominster, ——; Hyde Park, 41.24; Marlborough, 15.28; Melrose, 19.42; Westfield, 19.94; Framingham, 21.45; Revere, ——; Gardner, 22.53; Weymouth, ——; Southbridge, 14.38; Watertown, 19.62.

The total death rate for the week was 17.01, as compared with 16.63 and 14.68 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 6, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	121	Measles,	174
Diphtheria and croup,	184	Typhoid fever,	79
	Small-pox,	36	

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 6, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, Nov. 30,	30.14	42	51	34	71	54	62	S. W.	W.	12	9		O.	R.			T
Monday, Dec. 1,	29.90	38	43	32	74	70	72	N. W.	W.	12	12		C.	C.			0.22
Tuesday, 2,	29.92	42	50	33	65	61	63	S. W.	W.	10	3		O.	C.			0.00
Wednesday, 3,	29.60	44	48	40	96	93	94	E.	W.	20	7		R.	O.			0.32
Thursday, 4,	29.88	38	44	31	80	95	88	W.	N.	5	10		C.	F.			0.00
Friday, 5,	29.62	25	37	13	100	92	96	N. E.	N. W.	32	24		N.	C.			0.55
Saturday, 6,	30.28	18	24	12	76	66	71	W.	W.	12	10		C.	C.			0.00
Week,	29.91		42	28			78										1.09

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 13, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 50.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 13, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Whooping-cough.
Boston,	588,730	220	57	44	38	25	4	2	3
Worcester,	127,337	43	16	6	4	3	..	..	..
Fall River,	111,872	56	31	8	15	3	1	..	..
Lowell,	99,574	52	18	8	14	3	2	..	2
Cambridge,	96,334	35	10	7	9	5	1	..	1
Lynn,	71,144	22	4	..	..	..	..	..	..
Lawrence,	67,275	34	16	3	5	1	1	..	..
Springfield,	66,854	10	..	..	..	..	..	..	..
Somerville,	65,882	17	7	2	7	2	..	..	..
New Bedford,	65,574	25	7	7	4	2	1	1	..
Holyoke,	48,065	..	..	..	..	..	..	..	..
Brockton,	43,208	..	..	..	..	..	..	..	..
Haverhill,	40,392	9	4	1	2	..	..	..	1
Salem,	36,567	23	6	4	1	3	1	..	..
Newton,	36,336	11	2	2	3	..	..	1	..
Malden,	35,390	13	4	3	..	1	..	1	1
Chelsea,	35,264	13	0	..	1	..	..	..	..
Fitchburg,	33,848	11	5	1	1	..	..	..	..
Taunton,	32,759	17	5	2	3	1	..	..	1
Everett,	27,114	9	4	2	..	..	1	1	..
North Adams,	26,583	4	..	1	1	1	..	..	..
Gloucester,	26,121	7	3	2	..	..	2	..	..
Quincy,	25,307	12	4	2	2	..	1	1	..
Waltham,	24,612	3	2	..	1	..	..	..	..
Pittsfield,	22,311	2	2	..	..	..	..	..	..
Brookline,	21,679	5	5	..	..	..	..	..	..
Chicopee,	20,390	1	1	1	..	..	1	..	..
Medford,	20,014	3	1	..	..	..	..	..	..
Northampton,	19,460	4	1	..	..	..	..	..	..
Beverly,	14,814	4	..	1	..	1	..	..	..
Clinton,	14,645	8	3	2	3	2	..	..	..
Newburyport,	14,478	6	3	1	..	..	1	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	..	..	..	..	..	..
Melrose,	13,384	4	1	..	3	..	..	..	..
Westfield,	13,038	2	..	1	..	1	..	..	..
Framingham,	12,109	4	..	1	1	1	..	..	..
Revere,	11,894	..	..	..	..	..	..	..	..
Gardner,	11,544	..	..	..	..	..	..	..	..
Weymouth,	11,337	5	2	1	..	..	..	1	..
Southbridge,	10,838	4	2	..	..	..	..	..	..
Watertown,	10,600	2	1	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Whooping-cough.
Total of reporting towns,	1,973,575	702	228	114	118	56	17	8	9

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and fourteen deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 7 ; cerebro-spinal meningitis, 4 ; diphtheria and croup, 17 ; whooping-cough, 9 ; typhoid fever, 8 ; erysipelas, 3 ; diarrhœal diseases, 6 ; small-pox, 3.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 56 deaths from consumption, acute lung diseases, 118, still-births, 39.

From measles : Fitchburg, 1. From scarlet fever : Boston, 2 ; Fall River, 1 ; Lawrence, 1 ; New Bedford, 3. From whooping-cough : Boston, 3 ; Lowell, 2 ; Cambridge, Haverhill, Malden and Taunton, 1 each. From erysipelas : Boston, 2 ; Lowell, 1. From small-pox : Boston, 2 ; Newton, 1.

Deaths under five years of age numbered 228, as compared with 184 for the preceding week.

Deaths from the principal infectious diseases numbered 114, as compared with 139 for the preceding week.

The death rates for the week were : Boston, 19.42 ; Worcester, 17.55 ; Fall River, 26.03 ; Lowell, 27.14 ; Cambridge, 18.89 ; Lynn, 16.03 ; Lawrence, 26.27 ; Springfield, 7.79 ; Somerville, 14.42 ; New Bedford, 19.82 ; Holyoke, —— ; Brockton, —— ; Salem, 32.63 ; Newton, 15.73 ; Malden, 18.80 ; Chelsea, 19.12 ; Fitchburg, 16.92 ; Taunton, 26.96 ; Everett, 17.26 ; North Adams, 7.82 ; Gloucester, 13.94 ; Quincy, 24.65 ; Waltham, 6.33 ; Pittsfield, 4.66 ; Brookline, 11.96 ; Chicopee, 2.55 ; Medford, 7.80 ; Northampton, 10.69 ; Beverly, 14.05 ; Clinton, 28.40 ; Newburyport, 21.53 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, 7.64 ; Melrose, 15.53 ; Westfield, 7.97 ; Framingham, 17.16 ; Revere, —— ; Gardner, —— ; Weymouth, 22.62 ; Southbridge, —— ; Watertown, 9.81.

The total death rate for the week was 18.49, as compared with 17.01 and 16.63 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 13, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	111	Typhoid fever,	60
Diphtheria and croup,	154	Measles,	193
Small-pox,	32		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 13, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 7,	30.12	20	27	12	97	92	94	W.	N. W.	2	6		O.	C.			0.18
Monday, 8,	29.93	14	31	4	78	46	62	W.	N. W.	10	24		C.	C.			T
Tuesday, 9,	30.36	2	4	8	91	62	78	N. W.	N. W.	21	18		F.	C.			0.00
Wednesday, 10,	30.09	18	36	1	91	72	82	S.	S. W.	9	18		N.	O.			0.01
Thursday, 11,	30.23	27	36	18	56	84	70	N.	N.	12	9		O.	N.			T
Friday, 12,	30.33	20	23	18	93	90	92	N.	N.	18	10		O.	O.			0.08
Saturday, 13,	30.23	14	21	8	100	100	100	N.	N.	14	25		N.	N.			0.36
Week,	30.18		25	8			83										0.63

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.
† Below zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of November, 1902: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	261	215	476	Maple Syrup, .	1	..	1
Butter, . . .	16	..	16	Canned Goods, .	1	1	2
Cheese, . . .	3	..	3	Honey, . . .	1	1	2
Lard, . . .	4	2	6	Tea, . . .	3	..	3
Olive Oil, . . .	..	..	..	Coffee, . . .	13	2	15
Vinegar, . . .	1	2	3	Cocoa and Chocolate,	..	..	..
Spices, . . .	148	28	176	Confectionery, .	..	..	..
Cream of Tartar, .	35	..	35	Other articles of Food and Drinks,	5	2	7
Molasses, . . .	3	..	3	Drugs, . .	61	39	100
Syrups, . . .	1	..	1				
Maple Sugar, . .	..	..	..				
				Totals, . .	557	292	849

Percentage of adulteration, 34.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 45.2 per cent., while the percentage of articles of food was 14.0.

Five complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

The samples of drugs found to be adulterated were Acidum Tannicum, Aqua Destillata, Aqua Ammonia fort, Oleum Limonis, Oleum Olivæ, Spiritus Ætheris, Introsi, Sulphur Lotum, Sulphur Præcipitatum, and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Cambridge, Somerville, Holyoke, Broekton, Salem, Newton, Waltham, Weymouth, Watertown, Medford, Everett, Chelsea, Lowell, Malden, Brookline, Dedham, Attleborough, Haverhill, Lexington, Fall River, North Adams, Lawrence, Pittsfield, Natick, Amherst, Winthrop, Revere, Ayer, Quincy and Charlton.

RECORD OF PROSECUTIONS IN NOVEMBER, 1902.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Articles Sold.	Result of Trial.
1	November 13,	Frank A. Stone,	Holliston,	Milk,	Convicted and fined $50.
2	November 20,	Michael Leary,	So. Weymouth,	Milk,	Convicted and fined $20.
3	November 22,	Robert Armstrong,	North Adams,	Butter,	Discharged.
4	November 22,	Frank M. Towles,	Dunstable,	Milk,	Defendant died Nov. 21.*
5	November 25,	Charles K. Twiss,	Dunstable,	Milk,	Convicted and fined $20.

* Case nol. prossed.

Notes on the Foregoing Cases.

Amount of fines, $90.00.

The total solids in samples of milk upon which the above cases were entered were as follows: — 9.32 — 10.20 — 11.39 — 10.99.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 20, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 51.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 20, 1902.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Scarlet Fever.
Boston,	588,730	229	66	44	47	27	3	1	..
Worcester,	127,337	35	16	6	4	1	..	1	..
Fall River,	111,872	57	32	11	21	4	2	..	2
Lowell,	99,574	35	12	3	12	3	..	..	..
Cambridge,	96,334	34	13	5	10	2	..	2	..
Lynn,	71,144	21	8	4	..	1	3	..	..
Lawrence,	67,275	30	11	6	6	4	..	..	..
Springfield,	66,854	..	..	..	..	..	..	..	..
Somerville,	65,882	24	4	10	4	4	2	1	1
New Bedford,	65,574	36	16	9	12	4	1	1	3
Holyoke,	48,065	7	3	1	2	1	..	..	..
Brockton,	43,208	18	2	2	..	..	..	1	..
Haverhill,	40,392	17	4	..	9	..	..	..	..
Salem,	36,567	20	4	3	2	..	..	2	..
Newton,	36,336	4	1	..	2	..	..	..	..
Malden,	35,390	10	5	1	4	..	1	..	..
Chelsea,	35,264	11	5	2	1	2	..	..	..
Fitchburg,	33,848	14	5	3	2	3	..	..	..
Taunton,	32,759	12	3	3	3	1	..	1	..
Everett,	27,114	8	2	3	..	1	..	1	..
North Adams,	26,583	9	3	..	2	..	..	..	..
Gloucester,	26,121	10	2	4	..	2	2	..	..
Quincy,	25,307	14	3	3	..	1	1	..	..
Waltham,	24,612	8	2	1	..	1	..	..	..
Pittsfield,	22,311	9	1	..	..	..	..	..	..
Brookline,	21,679	..	..	..	..	..	..	..	..
Chicopee,	20,390	5	2	..	..	..	..	..	..
Medford,	20,014	6	..	1	1	1	..	..	..
Northampton,	19,460	4	0	..	..	..	..	..	..
Beverly,	14,814	3	..	..	1	..	..	..	..
Clinton,	14,645	3	..	..	1	..	..	..	..
Newburyport,	14,478	7	0	1	..	1	..	..	..
Woburn,	14,285	..	..	..	..	..	..	..	..
Leominster,	13,953	..	..	..	..	..	..	..	..
Hyde Park,	13,858	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	2	2	..	..	1	..	..
Melrose,	13,384	4	1	1	..	1	..	..	..
Westfield,	13,038	2	..	..	..	..	..	..	..
Framingham,	12,109	2	..	..	1	..	..	..	..
Revere,	11,894	5	1	3	1	2	..	..	..
Gardner,	11,544	..	..	..	..	..	..	..	..
Weymouth,	11,337	0	0	..	..	..	..	..	..
Southbridge,	10,838	8	2	3	..	2	1	..	..
Watertown,	10,600	0	0	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Scarlet Fever.
Total of reporting towns, ..	1,988,209	724	231	135	148	69	17	11	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and thirty-five deaths were reported from the principal infectious diseases : measles, 3 ; scarlet fever, 6 ; cerebro-spinal meningitis, 5 ; diphtheria and croup, 17 ; whooping-cough, 5 ; typhoid fever, 11 ; diarrhœal diseases, 10 ; small-pox, 8 ; erysipelas, 1.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 69 deaths from consumption, acute lung diseases, 148, still-births, 41.

From measles : Fall River, Lawrence and Salem, 1 each. From scarlet fever : Fall River, 2 ; New Bedford, 3 ; Somerville, 1. From whooping-cough : Boston, 4 ; Taunton, 1. From small-pox : Boston, 6 ; Everett and Revere, 1 each. From erysipelas : Boston, 1.

Deaths under five years of age numbered 231, as compared with 228 for the preceding week.

Deaths from the principal infectious diseases numbered 135, as compared with 114 for the preceding week.

The death rates for the week were : Boston, 20.21 ; Worcester, 14.29 ; Fall River, 26.49 ; Lowell, 18.27 ; Cambridge, 18.35 ; Lynn, 15.30 ; Lawrence, 23.18 ; Springfield, —— ; Somerville, 18.94 ; New Bedford, 28.55 ; Holyoke, 7.57 ; Brockton, 21.62 ; Salem, 28.38 ; Newton, 5.72 ; Malden, 14.46 ; Chelsea, 16.18 ; Fitchburg, 21.54 ; Taunton, 19.03 ; Everett, 15.34 ; North Adams, 17.59 ; Gloucester, 19.91 ; Quincy, 28.75 ; Waltham, 16.89 ; Pittsfield, 20.96 ; Brookline, —— ; Chicopee, 12.74 ; Medford, 15.60 ; Northampton, 10.69 ; Beverly, 10.53 ; Clinton, 10.65 ; Newburyport, 25.11 ; Woburn, —— ; Leominster, —— ; Hyde Park, —— ; Marlborough, 11.47 ; Melrose, 15.54 ; Westfield, 7.98 ; Framingham, 8.58 ; Revere, 21.86 ; Gardner, —— ; Weymouth, —— ; Southbridge, 38.35 ; Watertown, ——.

The total death rate for the week was 18.92, as compared with 18.49 and 17.01 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 20, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	138	Typhoid fever, ...	50
Diphtheria and croup, ...	113	Measles, ...	175
Small-pox, ...	35		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 20, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 14,	30.48	16	23	10	90	68	79	N.	N. W.	17	11	N.	C.		T
Monday, . . 15,	30.70	22	30	14	62	94	78	N. W.	N. E.	10	4	O.	O.		0.00
Tuesday, . . 16,	30.17	42	54	29	95	97	96	S. E.	S. W.	14	25	R.	R.		0.45
Wednesday, . 17,	29.78	42	48	35	79	63	71	W.	S. W.	15	14	O.	O.		0.44
Thursday, . . 18,	29.70	35	40	30	84	77	80	S. W.	N. W.	17	23	C.	C.		0.00
Friday, . . 19,	29.89	38	46	29	70	69	70	S. W.	W.	18	13	O.	C.		0.00
Saturday, . . 20,	30.37	34	40	29	60	64	62	N. W.	S. E.	14	5	C.	C.		0.00
Week, . . .	30.16		40	25			77								0.89

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 27, 1902.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XX. No. 52.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 27, 1902.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1902.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Scarlet Fever.
Boston, ...	588,730	189	46	38	38	15	3	5	3
Worcester, ...	127,337	26	11	3	6	..	..	1	..
Fall River, ...	111,872	33	13	7	5	5	1	1	..
Lowell, ...	99,574	40	12	5	10	3	2	..	..
Cambridge, ...	96,334	15	2	3	3	3	..	..	..
Lynn, ...	71,144	12	2	1	..	..	1	..	..
Lawrence, ...	67,275	24	12	3	9	2	1	..	..
Springfield, ...	66,854	21	7	3	..	3	..	..	..
Somerville, ...	65,882	24	7	4	10	3	1	..	..
New Bedford, ...	65,574	40	16	10	9	7	2	..	1
Holyoke, ...	48,065	15	8	3	2	2	..	..	..
Brockton, ...	43,208	10	4	2	..	2	..	..	..
Haverhill, ...	40,392	11	3	1	1	..	..	1	..
Salem, ...	36,567	17	3	..	4	..	..	..	..
Newton, ...	36,336	8	1	3	..	3	..	..	..
Malden, ...	35,390	6	1	2	1	1	1	..	..
Chelsea, ...	35,264	12	1	1	2	1	..	..	..
Fitchburg, ...	33,848	11	5	1	3	1	..	..	..
Taunton, ...	32,759	7	1	1	..	1	..	..	..
Everett, ...	27,114	4	2	2	..	1	1	..	..
North Adams, ...	26,583	6	2	..	1	..	..	..	..
Gloucester, ...	26,121	12	5	2	1	..	2	..	..
Quincy, ...	25,307	12	1	2	2	1	..	..	..
Waltham, ...	24,612	8	2	1	1	..	..	..	1
Pittsfield, ...	22,311	5	..	..	1	..	..	..	..
Brookline, ...	21,679	..	..	..	..	..	..	..	..
Chicopee, ...	20,390	12	9	4	2	..	..	..	4
Medford, ...	20,014	4	..	..	1	..	..	..	..
Northampton, ...	19,460	8	1	1	1	1	..	..	..
Beverly, ...	14,814	1	..	..	..	..	..	..	..
Clinton, ...	14,645	4	0	1	..	1	..	..	..
Newburyport, ...	14,478	8	1	2	..	2	..	..	..
Woburn, ...	14,285	..	..	..	..	..	..	..	..
Leominster, ...	13,953	..	..	..	..	..	..	..	..
Hyde Park, ...	13,858	..	..	..	..	..	..	..	..
Marlborough, ...	13,609	..	..	..	..	..	..	..	..
Melrose, ...	13,384	..	..	..	..	..	..	..	..
Westfield, ...	13,038	1	1	1	..	..	1	..	..
Framingham, ...	12,109	2	1	..	..	..	..	..	..
Revere, ...	11,894	1	..	..	1	..	..	..	..
Gardner, ...	11,544	9	4	3	2	..	..	..	..
Weymouth, ...	11,337	4	0	1	..	..	..	..	1
Southbridge, ...	10,838	..	..	..	..	..	..	..	..
Watertown, ...	10,600	2	..	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Scarlet Fever.
Total of reporting towns, ..	2,028,776	624	184	111	117	58	16	8	10

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and eleven deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 10; cerebro-spinal meningitis, 3; diphtheria and croup, 16; whooping-cough, 2; typhoid fever, 8; puerperal fever, 1; diarrhœal diseases, 5; small-pox, 6; erysipelas, 1.

No deaths were reported from malarial fever or influenza.

There were 58 deaths from consumption, acute lung diseases, 117, still-births, 45.

From measles: Gardner, 1. From scarlet fever: Boston, 3; New Bedford, 1; Waltham, 1; Chicopee, 4; Weymouth, 1. From whooping-cough: Boston, 2. From erysipelas: Boston, 1. From small-pox: Boston, 6.

Deaths under five years of age numbered 184, as compared with 231 for the preceding week.

Deaths from the principal infectious diseases numbered 111, as compared with 135 for the preceding week.

The death rates for the week were: Boston, 16.68; Worcester, 10.61; Fall River, 15.33; Lowell, 20.88; Cambridge, 8.09; Lynn, 8.74; Lawrence, 18.54; Springfield, 16.34; Somerville, 18.94; New Bedford, 31.72; Holyoke, 16.21; Brockton, 12.01; Salem, 24.12; Newton, 11.44; Malden, 8.68; Chelsea, 17.65; Fitchburg, 16.93; Taunton, 11.10; Everett, 7.67; North Adams, 11.73; Gloucester, 22.89; Quincy, 24.64; Waltham, 16.89; Pittsfield, 11.64; Brookline, ——; Chicopee, 30.57; Medford, 10.40; Northampton, 21.38; Beverly, 3.51; Clinton, 14.20; Newburyport, 28.70; Woburn, ——; Leominster, ——; Hyde Park, ——; Marlborough, ——; Melrose, ——; Westfield, 3.99; Framingham, 8.58; Revere, 4.37; Gardner, 42.55; Weymouth, 18.09; Southbridge, ——; Watertown, 9.81.

The total death rate for the week was 15.99, as compared with 18.92 and 18.49 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 27, 1902.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	95	Typhoid fever,	58
Diphtheria and croup,	116	Measles,	159
Small-pox,	38		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 27, 1902.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 21,	30.36	40	53	27	71	100	86	N.	E.	5	10		O.	R.			0.50
Monday, 22,	29.88	50	58	42	87	78	82	S. W.	W.	10	10		O.	C.			0.74
Tuesday, 23,	30.12	30	42	17	78	64	71	N. W.	N. W.	20	20		O.	C.			0.00
Wednesday, 24,	30.30	21	28	14	63	63	63	N. W.	N.	10	9		C.	C.			0.00
Thursday, 25,	29.96	28	34	22	74	100	87	N. W.	N. E.	9	24		O.	N.			0.27
Friday, 26,	29.78	27	32	22	94	74	84	N. W.	W.	5	3		O.	F.			0.22
Saturday, 27,	29.78	26	32	19	88	73	80	W.	W.	9	10		O.	C.			0.04
Week,	30.03		40	23			79										1.77

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

U. HOLZER
BINDER
BOSTON, MASS.